CONSTRUCTION NEWS

Engineering News-Record, August 30, 1923

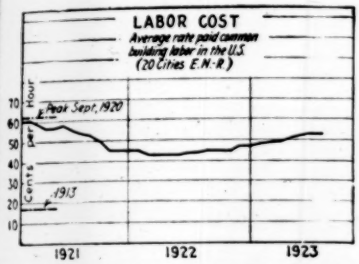
The Construction Barometer

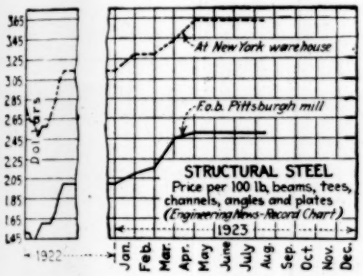
Prices Firm—Demand Improving—Domestic Situation Sound

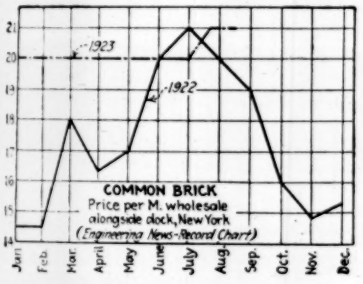
SEASONAL dullness still permeates the market, but with the approach of Autumn some improvement in demand is noted, particularly in the metals. Prices of basic materials show added firmness.

The National Bank of Commerce in New York says: "The Ruhr problem and the whole question of reparations are in an acute stage, but it seems probable that to a large extent the immediate effects of the European situation on business in the U. S. have been discounted. The attention of merchants and manufacturers is therefore focused primarily on domestic conditions, especially the agricultural situation and wholesale prices of commodities."

The E. N.-R. Construction Cost Index Number from 1913 to date is given in the center table.




Dollars
At New York warehouse
F.o.b. Pittsburgh mill
STRUCTURAL STEEL
Price per 100 lb. beams, tees, channels, angles and plates
(Engineering News-Record Chart)
1922
1923
Jan. Feb. Mar. Apr. May June July Aug. Sep. Oct. Nov. Dec.


1923
1922
COMMON BRICK
Price per M. wholesale alongside dock, New York
(Engineering News-Record Chart)
Jan. Feb. Mar. April May June July Aug. Sep. Oct. Nov. Dec.

E. N.-R. Construction Cost Index Number

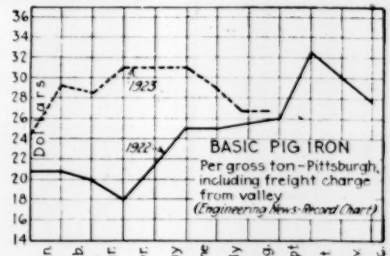
1914 to 1923
(1913 = 100)

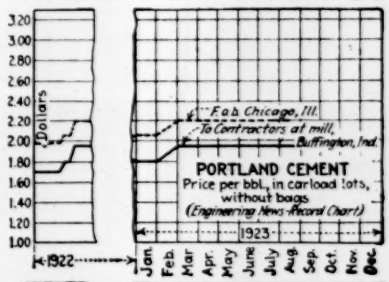
	1914	1915	1916	1917	1918
Jan.	89.22	87.12	130.46	167.75	184.51
Feb.	89.22	87.36	134.46	167.75	184.51
Mar.	88.97	87.66	142.96	175.66	184.51
Apr.	87.97	90.16	147.31	183.41	186.01
May	88.62	90.16	148.86	187.61	186.01
June	87.87	88.96	146.51	199.26	186.31
July	88.12	90.51	145.76	204.01	188.65
Aug.	90.11	91.76	146.56	198.41	193.85
Sept.	90.36	93.01	149.56	190.31	193.85
Oct.	88.51	96.16	152.91	167.11	193.85
Nov.	87.26	101.06	155.66	166.51	193.55
Dec.	86.51	107.06	167.15	167.11	194.75
Aver.	88.56	92.58	147.35	181.24	189.20

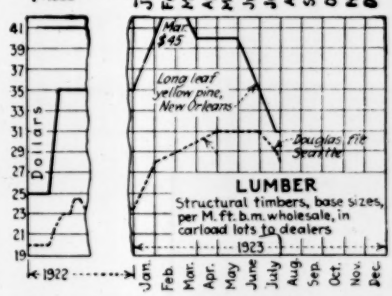
	1919	1920	1921	1922	1923
Jan.	198.05	206.55	230.87	168.72	191.70
Feb.	201.50	225.10	230.67	168.72	197.40
Mar.	198.05	240.85	224.27	162.04	205.25
Apr.	191.25	265.20	213.07	164.72	213.50
May	191.25	268.90	210.82	164.62	216.70
June	191.85	273.80	209.82	166.62	220.70
July	193.65	265.65	203.82	169.70	222.10
Aug.	196.65	252.00	193.07	173.40	221.50
Sept.	202.85	255.20	188.27	185.00	.....
Oct.	202.25	255.20	182.57	188.60	.....
Nov.	206.85	255.32	166.32	188.60	.....
Dec.	206.85	251.62	167.82	192.60	.....
Aver.	198.42	251.28	201.78	174.45	.....

BASE PRICES FIRM

	Aug. 30	Was	On
Structurals, Pittsburgh, 100 lb.	$2.50	$2.50 @ 2.60	June 21
Cement, Chi., net bbl	2.20	2.05	Feb. 1
Pine, N. Y., M. ft.	63.00	59.00	July 5
Fir, San Fran., M. ft	41.00	39.00	Apr. 5
Common labor, hr.	0.54	0.53	June 28


Dollars
1923
1922
BASIC PIG IRON
Per gross ton—Pittsburgh, including freight charge from valley
(Engineering News-Record Chart)
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.


Dollars
F.o.b. Chicago, Ill.
To Contractors at mill, Buffington, Ind.
PORTLAND CEMENT
Price per bbl., in carload lots, without bags
(Engineering News-Record Chart)
1922
1923
Jan. Feb. Mar. Apr. May June July Aug. Sep. Oct. Nov. Dec.


Dollars
Mar. $45
Long leaf yellow pine, New Orleans
Douglas fir Seattle
LUMBER
Structural timbers, base sizes, per M. ft. b.m. wholesale, in carload lots to dealers
1922
1923
Jan. Feb. Mar. Apr. May June July Aug. Sep. Oct. Nov. Dec.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Sept. 4	Mount Vernon, N. Y.	Aug. 16
Sept. 4	Sleepy Eye, Minn.	Aug. 23
Sept. 4	Buffalo, N. Y.	Aug. 30
Sept. 5	Lewiston, Idaho	Aug. 23
Sept. 6	Evansville, Ind.	Aug. 23
Sept. 6	West Concord, Minn.	Aug. 30
Sept. 7	Waupun, Wis.	Aug. 30
Sept. 7	New York, N. Y.	Aug. 30
Sept. 11	Hoboken, N. J. Adv. Aug. 9 to 30.	Aug. 9
Sept. 12	Lamar, S. C.	Aug. 30
Sept. 15	Grand Island, N. Y. Adv. Aug. 30.	Aug. 30
Sept. 18	McAlester, Okla. Adv. Aug. 30.	Aug. 30
Sept. 19	South Bend, Ind. Adv. Aug. 30.	Aug. 30
Sept. 26	Providence, R. I. Adv. Aug. 30.	Aug. 30

SEWERS

Sept. 3	Bradentown, Fla.	Aug. 23
Sept. 4	Perth Amboy, N. J. Adv. Aug. 30.	Aug. 30
Sept. 4	Euclid, O.	Aug. 30
Sept. 4	Parkersburg, W. Va.	Aug. 30
Sept. 4	Williamsport, Pa	Aug. 30
Sept. 4	Tracy, Minn.	Aug. 30
Sept. 10	New York	Aug. 30
Sept. 11	Laredo, Tex. Adv. Aug. 23 and 30.	Aug. 30
Sept. 11	St. Louis, Mo.	Aug. 23
Sept. 12	Monessen, Pa.	Aug. 30
Sept. 14	Wash., D. C. Adv. Aug. 30.	Aug. 30
Sept. 15	Norfolk, Va. Adv. Aug. 30.	Aug. 30
Sept. 24	St. Petersburg, Fla. Adv. Aug. 23 and 30.	Aug. 23
Nov. 1	Fort Erie, Ont.	Aug. 23

WASTE DISPOSAL

Sept. 4	Lakewood (Cleveland P. O.), O.	Aug. 16
Sept. 6	Long Island City, N. Y.	Aug. 30
Sept. 17	St. Petersburg, Fla. Adv. Aug. 23 and 30.	Aug. 23

BRIDGES

Sept. 4	Plainfield, N. J.	Aug. 23
Sept. 4	Rockford, Ill.	Aug. 30
Sept. 5	Freehold, N. J. Adv. Aug. 16 to 30.	Aug. 16
Sept. 5	Missouri	Aug. 30
Sept. 5	Keyport, N. J. Adv. Aug. 23 and 30.	Aug. 23
Sept. 5	Minnesota	Aug. 23
Sept. 6	Columbia, Tenn.	Aug. 30
Sept. 7	New York Adv. Aug. 23 and 30.	Aug. 30
Sept. 11	New Jersey	July 26
Sept. 11	Indiana	Aug. 30
Sept. 11	California	Aug. 30
Sept. 11	New Jersey	Aug. 30
Sept. 12	Ft. Wayne, Ind.	Aug. 23

Bids Close		See Eng. News-Record
Sept. 15	Canadian, Tex.	Aug. 23
Sept. 19	Phila., Pa.	Aug. 23
Oct. 2	Mermentau, Mich. Adv. Aug. 30.	Aug. 30
Nov. 30	Sydney, Australia	Apr. 19

RAILWAYS

Sept. 4	California	Aug. 23

EXCAVATION, DRAINAGE, IRRIGATION

Sept. 4	Selma, Calif.	Aug. 23
Sept. 6	Estherville, Ia.	Aug. 30
Sept. 11	Clarksdale, Miss.	Aug. 30
Sept. 18	Lake Charles, La. Adv. Aug. 23 and 30.	Aug. 23

STREETS AND ROADS

Aug. 31	New York Adv. Aug. 16 to 30.	Aug. 23
Sept. 1	Tuscaloosa, Ala.	Aug. 23
Sept. 1	Lockport, N. Y.	Aug. 23
Sept. 2	Martinez, Calif.	Aug. 23
Sept. 3	Michigan	Aug. 23
Sept. 3	Belzoni, Miss. Adv. Aug. 30.	Aug. 30
Sept. 3	Sedalia, Mo.	Aug. 30
Sept. 4	San Jose, Calif.	Aug. 9
Sept. 4	San Diego, Calif.	Aug. 16
Sept. 4	San Diego, Calif.	Aug. 23
Sept. 4	Stockton, Calif.	Aug. 23
Sept. 4	Buffalo, N. Y.	Aug. 23
Sept. 4	Sebring, Fla.	Aug. 30
Sept. 4	Holdenville, Okla.	Aug. 30
Sept. 4	Ft. Worth, Tex.	Aug. 30
Sept. 5	Freehold, N. J. Adv. Aug. 16, 23 and 30.	Aug. 16
Sept. 5	Michigan	Aug. 23
Sept. 5	Marysville, Calif.	Aug. 23
Sept. 5	Minnesota	Aug. 23
Sept. 5	Missouri	Aug. 30
Sept. 5	Illinois	Aug. 30
Sept. 6	New York, N. Y.	Aug. 30
Sept. 6	Gulfport, Miss.	Aug. 23
Sept. 6	Dallas, Tex	Aug. 23
Sept. 6	Idlewood (Cleveland Heights P. O.), O.	Aug. 30
Sept. 6	Vermont Adv. Aug. 30.	Aug. 30
Sept. 7	Albany, Ala.	Aug. 30
Sept. 7	Georgia	Aug. 30
Sept. 7	Mississippi	Aug. 30
Sept. 7	Michigan	Aug. 23
Sept. 7	Trenton, N. J.	Aug. 30
Sept. 10	Dallas, Tex.	Aug. 23
Sept. 10	Madison, S. D.	Aug. 23
Sept. 10	St. Paul, Minn.	Aug. 23
Sept. 10	Greenwich, Conn. Adv. Aug. 30.	Aug. 30
Sept. 10	Michigan	Aug. 30
Sept. 10	Sanford, Fla.	Aug. 30
Sept. 10	Seattle, Wash.	Aug. 30
Sept. 10	Groesbeck, Tex.	Aug. 30
Sept. 10	Wichita, Kan.	Aug. 30
Sept. 11	Pennsylvania	Aug. 30
Sept. 11	Anamosa, Ia.	Aug. 30
Sept. 11	Massachusetts	Aug. 30
Sept. 11	Alabama	Aug. 16
Sept. 11	St. Louis, Mo.	Aug. 23
Sept. 11	San Diego, Calif.	Aug. 23
Sept. 11	Alabama	Aug. 23
Sept. 11	Decatur, Tex.	Aug. 23
Sept. 11	Austin, Tex.	Aug. 23
Sept. 11	Sonora, Tex.	Aug. 23
Sept. 11	Washington	Aug. 30
Sept. 12	Faribault, Minn.	Aug. 23
Sept. 12	Michigan	Aug. 30
Sept. 12	Newton, Tex.	Aug. 30
Sept. 12	Lisbon, O.	Aug. 30
Sept. 13	Point Pleasant Beach, N. J. Adv. Aug. 30.	Aug. 30
Sept. 15	Niagara Falls, N. Y.	Aug. 30
Sept. 15	Tonawanda, N. Y. Adv. Aug. 30.	Aug. 30
Sept. 17	Dallas Tex.	Aug. 30
Sept. 18	Marlin, Tex.	Aug. 30
Sept. 24	Carrollton, Miss.	Aug. 30
Sept. 26	Kentucky	Aug. 30
Sept. 26	Kentucky	Aug. 23

BUILDINGS

Sept. 3	Albert Lea, Minn.	Aug. 30
Sept. 4	Wende (Millgrove P. O.), N. Y.	July 26
Sept. 4	Stockton, Calif.	Aug. 23
Sept. 4	Ft. Worth, Tex.	Aug. 23
Sept. 4	Cincinnati, O.	Aug. 30
Sept. 4	Milwaukee, Wis.	Aug. 30
Sept. 5	Thiells, N. Y.	Aug. 9
Sept. 5	Eastview, N. Y. Adv. Aug. 16 to 30.	Aug. 16
Sept. 5	Wapakoneta, O.	Aug. 23
Sept. 5	Chillicothe, Mo.	Aug. 23
Sept. 5	St. Louis, Mo.	Aug. 30
Sept. 5	Buffalo N. Y.	Aug. 30
Sept. 6	Kansas City, Mo.	Aug. 23
Sept. 6	Mishawaka, Ind.	Aug. 23
Sept. 6	New Brunswick N. J.	Aug. 30
Sept. 7	Atlanta Ga.	Aug. 30
Sept. 7	Detroit, Mich.	Aug. 23
Sept. 7	Los Angeles, Calif.	Aug. 30
Sept. 10	Louisville, Ky.	Aug. 30
Sept. 10	Detroit, Mich.	Aug. 30
Sept. 11	Winona, Minn.	Aug. 30
Sept. 12	Geneva, O.	Aug. 23
Sept. 12	Athens, O.	Aug. 30
Sept. 14	Los Angeles, Calif.	Aug. 30
Sept. 15	Dallas, Tex.	July 26
Sept. 15	Sedalia, Mo.	Aug. 16
Sept. 15	Proctor, Minn.	Aug. 23
Sept. 20	Oakwood (Dayton P. O.), O.	Aug. 30
Sept. 28	Institute, W. Va.	July 26
Sept. 28	Pruntytown (Grafton P. O.), W. Va.	Aug. 2
Sept. 28	Montgomery, W. Va.	Aug. 9
Sept. 28	Institute, W. Va.	Aug. 9
Oct. 10	Birmingham, Ala.	Aug. 30
Nov. 1	Ft. Worth, Tex.	July 12
Nov. 1	Dallas, Tex.	Aug. 2

FEDERAL GOVERNMENT WORK

Sept. 5	Lumber—Rock Island, Ill.	Aug. 30
Sept. 5	Post Office — Waterloo, N. Y.	Aug. 23
Sept. 5	Storehouse—San Diego, Calif.	Aug. 23
Sept. 6	Dredging—Oakland, Calif.	Aug. 16
Sept. 6	Reroofing—Chelsea, Mass.	Aug. 30
Sept. 6	Hospital—Excelsior Springs Mo. Adv. Aug. 30.	Aug. 30
Sept. 7	Lumber—Rock Island, Ill.	Aug. 30
Sept. 10	Flooring—Boston, Mass.	Aug. 23
Sept. 11	Dredging—Galveston, Tex. Adv. Aug. 16 to 30.	Aug. 16
Sept. 11	Road—Arizona	Aug. 30
Sept. 12	Dam — Klamath Falls, Ore.	Aug. 9
Sept. 12	Siphon—Mitchell, Neb.	Aug. 9
Sept. 12	Pistons, etc. — Denver, Colo.	Aug. 9
Sept. 12	Storage Bins, etc.—Pearl Harbor, H. T.	July 19
Sept. 17	Quarters, etc. — Rutland, Mass. Adv. Aug. 23 and 30.	Aug. 23
Sept. 19	Laboratory—Wash., D. C.	Aug. 30
Sept. 25	Dredging—Galveston, Tex. Adv. Aug. 30.	Aug. 30
Sept. 25	Dredging—Providence, R. I. Adv. Aug. 30.	Aug. 30
Sept. 28	Breakwater—Milwaukee, Wis. Adv. Aug. 30.	Aug. 30
Oct. 15	Breakwater—Hilo, H. T. Adv. Aug. 23 and 30.	Aug. 23

MISCELLANEOUS

Sept. 4	Cement—Merced, Calif.	Aug. 23
Sept. 4	Loader, etc.—San Jose, Calif.	Aug. 23
Sept. 4	Road Grader—Onida, S. D.	Aug. 23
Sept. 4	Wharf—Sorel, Que.	Aug. 23
Sept. 4	Paving Materials—St. Paul, Minn.	Aug. 30
Sept. 5	Wall—Waterloo, Ia.	Aug. 30
Sept. 5	Levee System—Illinois	Aug. 30
Sept. 6	Fill—Newark, N. J.	Aug. 30
Sept. 6	Shell Ballast, etc.—Texas.	Aug. 30
Sept. 7	Lumber and Piles—New York, N. Y.	Aug. 30
Sept. 10	Enclosures—New York, N. Y.	Aug. 30
Sept. 11	Grain Elevator—Oswego, N. Y. Adv. Aug. 16 to 30.	Aug. 16
Sept. 12	Tunnel—Colorado	Aug. 9
Sept. 17	Elimination of Grade Crossing —Youngstown, O.	Aug. 30
Sept. 19	Lock Gates, etc.—Illinois. Adv. Aug. 16 to 30.	Aug. 23
Sept. 25	Culvert—St. Louis, Mo.	Aug. 30
Sept. 28	Cement—Jefferson City, Mo. Adv. Aug. 23 and 30.	Aug. 23
Oct. 6	Volt Insulators—Melbourne, Australia Adv. Aug. 16 and 30.	Aug. 16
Feb. 28	Headworks — Wellington, New Zealand	May 24

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Hartford—Water Bd. plans renewing 500 ft. c.i. pipe in State St., laying 3,400 ft. new c.i. pipe in Retreat Ave. and Boulevard. $25,000. C. M. Saville, 1029 Main St., engr.

N. Y., Churchville—Takes bids about Sept. 15, waterworks system. $80,000. G. Y. Webster, 303 Wilder Bldg., Rochester, village atty.

N. C. Raleigh—Plans to extend waterworks. $175,000. C. C. Page, comr. Pub. Wks.

N. C., Walnut Cove—Plans water power plant, waterworks and sewerage systems. $83,000

Fla., Orlando—Sept. 4, to vote on $525,000 bonds extending and improving waterworks and electric light plants.

Ky., Augusta—Plans waterworks system. $60,000.

Ky., Louisville — Louisville Water Co., 435 3rd St., plans 12 in. main from Ashbottom Rd. in Highland Park to 7th St. $15,000. J. Chamber, c/o owner, ch. engr.

Ky., Morganfield—Plans waterworks system with intake in Ohio River. $25,000. Gannett, Seelye & Fleming, Randolph Bldg., Memphis, Tenn., engrs.

Ky., Newport — Plans filtration plant, $360,000; pumping station $240,000. J. N. Chester Co., Union Bldg., Pittsburgh, Pa. engrs.

Mich., Lansing—Plans additional well development. $350,000. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., engrs.

Mich., Lansing—Takes bids in about 6 weeks extending mains. $250,000. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., engrs.

Wis., Phillips—Had plans prepared and takes bids 100,000 gal. steel tank on 50 ft. tower, 1 m.g. rein.-con reservoir, 2 pumping engines, 10,700 lin.ft. 12 in. c.i. water pipe, 2,000 lin.ft. 6 and 8 in. c.i. mains. $35,000. F. Henry, c/o Court House, engr. Noted Mar. 22.

Ill., Downers Grove — Plans concrete reservoir, 1 m.g. capacity. $35,000. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, engrs.

Ia., Washington—Sept. 6, to vote on $80,000 bonds for waterworks improvements, incl. 200,000 gal. elevated tank, complete new pumping station, motor driven pumps, etc. A. L. Mullergren, Gates Bldg., Kansas City, Mo., engrs. Noted June 21.

Kan., Scranton—Voted $50,000 bonds for improvements to water system, incl. new pump, pipe lines, etc.

Mo., Hannibal—Making preliminary plans improving and extending waterworks system incl. new pumps, motors at main station $26,000, 20 in. main from pumping station to reservoir $32,000, filtration plant $158,000, new mains on West Main St. and Oakwood Dist. $38,000, high service reservoir in South Hannibal with pumping equipment, etc $75,000, other miscellaneous items, $20,000. D. H. Maury, 304 South Dearborn St., Chicago, Ill., engr.

Mo., Jamesport — Having preliminary plans prepared waterworks and sewers. $25,000. Shockley Eng. Co., 800 Graphic Art Bldg., Kansas City, engrs. Noted Aug. 16.

Tex., Edgewood—Voted $40,000 bonds for waterworks plant and improvements, also $15,000 bonds for electric light plant.

Tex., Oak Cliff (Dallas P. O.)—Plans 5 new artesian wells for water supply. $250,000. E. A. Kingsley, Dallas, city engr.

Tex., Sweetwater—Making plans filtration plant. $35,000 bonds voted for project. M. Boothe, mayor. Noted July 19.

Tex., Vickery—Plans election to vote on $35,000 bonds for water works system. Fresh Water Dist. 3. J. C. Darnell, supvr. Engineer not announced.

Okla., Bartlesville—Making preliminary plans waterworks improvements. Burns & McDonnell, 401 Interstate Bldg., Kansas City, Mo., engrs.

Okla., Ramona—Defeated $50,000 bonds new mains, well and pumping equipment. Gantt & Baker, 1st Natl. Bank Bldg., Oklahoma City, engrs. Noted Aug. 16.

Okla., Slick—Voted $89,000 bonds for 2 wells with pumps, elevated tank and tower and distribution system. Gantt & Baker, 1st Natl. Bank Bldg., Oklahoma City, engrs. Noted July 19.

Okla., Sulphur—Making preliminary plans extending waterworks. $50,000. A. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Calif., Livingston—Plans waterworks and sewerage systems. To exceed $25,000. A. E. Cowell, Merced, engr.

Ore., Portland—Takes bids about Sept. 9 for 30 mi. 54 and 56 in. pipe line from Bull Run Reservoir. $2,500,000. F. Randlett, ch. engr. Noted May 31.

Ont., Creemore—Having plans prepared waterworks system incl. c.i. mains, hydrants, etc. $25,000 to $40,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Durham—Plans waterworks system incl. pumps, water tank, mains, hydrants, etc. $100,000. Engineer not selected.

Ont., Niagara Falls—Queen Victoria Pk. plans 14,000 ft. 4 and 6 in. c.i. mains. $30,000. J. H. Jackson, supt.

Waterworks (Continued)

BIDS DESIRED

R. I., Providence—Sept. 26, at office of Water Supply Bd., City Hall, sluice gates, etc., for Scituate Dam. F. E. Winsor, ch. engr.; adv. E. N.-R. Aug. 30.

N. Y., Buffalo — Sept. 4, by A. W. Kreinheder, comr. Pub. Wks., Municipal Bldg., thirty 30 in., thirty 24 in., sixty 20 in. and thirty 10 in. flanged gate valves.

N. Y., Grand Island—Sept. 15, Bd. Comrs., Water Dist. 1, constructing waterworks system. E. Bucher, chn. H. Ashley, engr.; adv. E. N.-R. Aug. 30.

N. Y., New York — Sept. 7, by E. W. Buckley, comr. Dept. of Purchase, ci. pipe, special and valve box castings, valves and fire hydrants to Dept. Water Supply, Gas and Electricity.

S. C., Lamar—Sept. 12, by Comrs. Pub. Wks., waterworks and sewerage system, incl. c.i. mains, galvanized service mains, tower, tank, pumping machinery, reservoir, 19,000 ft. 8-12 in. sewer pipe and septic tank. Cost not to exceed $65,000. Ryan Eng. Co., Arcade Bldg., Columbia, engrs.

O., Idlewood (Cleveland Heights P. O.)—See "Streets and Roads."

Ind., South Bend—Sept. 19, by Bd. Pub. Wks., complete waterworks pumping station. J. W. Toyne, engr.; adv. E. N.-R. Aug. 30. Noted Mar. 8.

Wis., Waupun — Sept. 7, by Water & Light Comrs. 200,000 gal. rein.-con. reservoir. $15,000-$20,000. Kaudy & Dick Eng. Co., Ripon, engrs. Noted Aug. 9.

Minn., West Concord—Sept. 6 (change of date), alternate bids on watermains (a) 2,240 lin.ft. mains with hydrants, valves, etc. (b) 12,960 lin.ft. mains with hydrants, etc. $16,000. Toltz, King & Day, 1410 Pioneer Bldg., St. Paul, engrs. Noted Aug. 23.

Okla., McAlester—Sept. 18, waterworks improvements. E. T. Archer & Co., New England Bldg., Kansas City, Mo., consult. engrs.; adv. E. N.-R. Aug. 30.

Ont., Dunnville — Pub. Utilities Comn., taking bids for waterworks chlorination apparatus with capacity of 500,000 to 1,000,000 imp. gal. per day. $25,000. Engineer not appointed.

BIDS RECEIVED

New York—N. J. Hayes, comr., Water Supply, Gas & Electricity, Municipal Bldg., New York, Aug. 21, mains in Queens Blvd., etc., Queens Boro., from F. J. Kelly Co., Inc., 186 Joralemon St., Brooklyn, $280,988. Noted Aug. 16.

N. Y. Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, Aug. 21, mains in Ocean Parkway, here, from Carter Contg Co., Inc., 23 Beaver St., New York, $169,833. Noted Aug. 16.

N. Y., Mount Pleasant — N. J. Hayes, comr., Water Supply, Gas & Electricity, Municipal Bldg., New York, Aug. 21, removing old Croton Aqueduct arch over Bway. near Tarrytown, here, and installing inverted syphon venturi meter, from Spencer, White & Prentiss, 47 West 42nd St., New York, $91,853. Noted Aug. 16.

CONTRACTS AWARDED

N. J., Maple Shade—Committee Chester Twp., to Pittsburgh-Des Moines Steel Co., 50 Church St., New York City, steel standpipe, $11,360; to G. S. Miller, Pitman, foundation for same, $4,974. Noted Aug. 2.

Md., Baltimore—Bd. Awards, galvanized w.i. pipe, couplings and malleable iron fittings for Water Dept., to W. Stebbins & Sons, Charles and Lombard Sts., $12,970. Noted Aug. 9.

O., Cleveland—Cuyahoga Co., 24,750 ft. 8 and 12 in. c.i. mains in Impvt. 41 of Co. Sewer Dist., to D. Pfahl & Co., Fisher Rd., $153,405. Noted Aug. 16.

O., Cleveland—For 1½ mi. 24 in. c.i. main in Superior Ave., Contr. 28, to J. T. Martin, 1452 West 98th St., $123,070; 1½ mi. 36 in. c.i. main in Magnolia Dr., Contr. 29, to J. Connelly Constr. Co., 400 71st Euclid Bldg., $216,783. Noted Aug. 2 and 9.

O., Cleveland—Commissioner Purchases & Supplies, City Hall, c.i. main in Lorain Ave., to J. Kalill & Jackson Co., 621 Bangor Bldg., $227,302. Noted July 26.

Minn., St. Paul — H. W. Austin, city purch. agt., 1 triplex portable pump, gasoline engine driven, for Water Dept., to Robinson, Cary & Sands Co., 4th and Wacouta Sts., $675; 499,736 tons reinforcing to C. A. P. Turner, 627 1st Ave. N., Minneapolis, $30,934. Noted Aug. 2.

S. D., Flandreau—**Improving waterworks** incl. concrete well, 1,500 lin.ft. 10 in. c.i. pipe, brick and tile pumphouse, etc., to W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $18,000. Noted July 26.

Que., Greenfield Park—See "Sewers."

Ont., Islington—Etobicoke Twp., laying 6 in. watermains to Ruscica Bros., 256 Ontario St., Toronto, $2,301, steel stand pipe to Horton Steel Wks., Ltd., Bridgeburg, $21,800, encasing stand pipe to F. Barrett, Islington, $5,389, 12 in. c.i. mains to Natl. Iron Corp., Cherry St., Toronto, $5,138. Noted July 12.

Ont., Whitby—Pub. Utilities Comn., 1,000 ft. 16 in. intake pipe to Toronto Iron Wks., Royal Bank Bldg., $6,000, excavating, dredging and laying 1,000 ft. 16 in. pipe to R. Carson, Midland, 2 centrifugal motor driven pumps to J. Hepburn Co., 18 Van Horne St., Toronto. Total cost $40,000. Noted July 12.

Ont., Weston—To A. Cavotti, 257 Euclid Ave., Toronto, laying mains, $5,597 to Drummond McCall Co., 373 Front St. E., Toronto, valves $17.55 each, valve boxes $8 each, hydrants $68.50 each, to Dominion Wheel & Fdry. Co., 131 Eastern Ave., Toronto, c.i. specials $1,648, total est. $30,000.

Sewers

PROPOSED WORK

N. Y., Binghamton—Making plans 1.5 mi. concrete sanitary sewer, from rear of Woodrow Wilson School to Chenango River. $225,000. W. E. Weller, 26 Crary Ave., engr.

Pa., Williamsport—Plans election to vote on $60,000 bonds for general improvements incl. sewers and bridges. M. H. Krause, Susquehanna Trust Co. Bldg., engr.

N. C., Raleigh—Plans to extend sewer lines in various streets. $100,000. C. C. Page, comr. Pub. Wks.

N. C. Walnut Cove—See "Waterworks."

Ga., Columbus—Plans election early in November to vote on $100,000 bonds for sewerage system.

Fla., St. Augustine—Plans sewers in Dist. 6. $45,000. C. G. Oldfather, city aud. and clk.

Wis., Madison—Making plans vitr. clay sewers in Johnson St. Dist. $35,000. E. E. Parker, City Hall, engr. Noted July 12.

Neb., Fremont—Plans election soon to vote on $120,000 bonds for sewage disposal plant. L. M. Roessler, Fremont, engr.

Mo., Jamesport—See "Waterworks."

Mo., Kansas City — Fairfax D. D. 2, takes bids about Sept. 17, 11,000 ft., 5½ to 13 in. sewer. $460,000. Horner & Wyatt, McMillian Bldg., Kansas City, Mo., engrs.

Okla., Oklahoma City—Oct. 3, to vote on $1,500,000 bonds for 2 sewage disposal plants. B. M. Hart, City Hall, engr.

Calif., Livingston—See "Waterworks."

Calif., Long Beach—Had plans prepared outfall sewers in Bway. and Beach Sts. To exceed $35,000.

Calif., Long Beach — City rejected bids sewerage system in Dist. 1. Will readvertise. Noted Aug. 23.

Calif., Orange—Voted $190,000 bonds for out fall sewer. Noted July 26.

Calif., Santa Paula—Voted $90,000 bonds for sewer improvements. Noted July 26.

Quebec—City of Montreal plans to vote $2,500,000 for sanitary improvement of Little St. Pierre River, from here to Lachine incl. deepening tail race from mouth of St. Pierre to St. Lawrence Rivers, $75,000, pumping station, $200,000, constructing Sect. 1 from tail race to Cote St. Paul Rd., $640,000, siphon under Lachine Canal, $520,000, Sect. 2 from Cote St. Paul Rd. to Lachine, $1,100,000. Also plans 37,000 ft. conduit to take under pressure the discharge from Westmount and eastern sections of Notre Dame De Grace, $530,000. G. R. McLeod, technical service engr.

Que., Montreal — Plans 2,050 ft. 2 x 3 brick sewer in Gouin Blvd., $17,694, also 3,428 ft. 12 and 15 in. tile in Savoie Lane, Ellerslie Ave. and Gouin Blvd., $13,268. E. Gauthier, asst. city clk.

Ont., Milton — Making plans sewerage system, 10,000 lin.ft. 8 in. and up vitr. tile pipe. $30,000. Chipman & Powers, Mail Bldg., Toronto, engrs.

Ont., Riverside—Plans 4,000 ft., concrete and tile intercepting sewer on Riverside Dr. $25,000. R. W. Code, McGregor Bldg., Windsor, engr.

BIDS DESIRED

New York—Sept. 10, by Transit Comr., 49 Lafayette St., New York City, miscellaneous drainage and sewers in Boros of Manhattan, Brooklyn and Queens. Agreement "CO." Former bids rejected. Noted Aug. 23.

N. Y., Tonawanda — See "Streets and Roads."

N. J., Perth Amboy—Sept. 4, by City Council, City Hall, for trunk sewer with necessary connections and appurtenances. A. Jennetty, street comr.; adv. E. N.-R. Aug. 30.

Pa., Monessen — Sept. 12 by City Engineer, 1,100 ft. 72 in., 750 ft. 60 in. and 1,686 ft. 48 in. concrete sewers, also 650 ft. 18 in. vitr. sewer. $30,000.

Pa., Williamsport — Sept. 4, by City Council, 1,113 ft. 8 in. sanitary sewers, in Brandon Pl., West 4th, Maple and Wilson Sts., 5,277 ft. 12-27 in. storm sewers in Memorial Pk., West 4th and Washington Sts. L. Mussina, city engr.

D. C., Wash.—Sept. 14, at office Washington Suburban Sanitary Comn., Evans Bldg., New York Ave., for 16,500 ft. 6-18 in. sewers and appurtenances. R. B. Morse, Hyattsville, Md., ch. engr.; adv. E. N.-R. Aug. 30.

Va., Norfolk — Sept. 15, at office W. B. Causey, city mgr., sewers in Sects. A, B and C, Ocean View Dist. W. H. Taylor, 3rd, acting city mgr.; adv. E. N.-R. Aug. 30.

W. Va., Parkersburg—Sept. 4, by City Council, storm and sanitary sewers in Latrobe St., et al. $35,000. J. V. Dunbar, city engr.

S. C., Lamar—See "Waterworks."

O., Euclid—Sept. 4, concrete and tile sewer in Sects. 1 and 2 of Lake Shore Blvd. and East 196th St., $250,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.; sewage plant and outfall pipe, Lake Shore Blvd. and Bliss Rd., 1,125 ft. steel or concrete pipe, 9,000 cu.yd. earth and 12,000 cu.yd. rock trenching, 340,000 lb. steel, 3,500 cu.yd. concrete. G. B. Gascoigne, 648 Leader-News Bldg., Cleveland, engrs. Noted Aug. 16.

O., Idlewood (Cleveland Heights, P. O.)—See "Streets and Roads."

Minn., Tracy—Sept. 4, sewer system repairs and extensions, and installing septic tank, etc. $28,000. C. L. Pillsbury Co., 1200 2nd Ave. S., Minneapolis, engrs. Noted Nov. 23.

Tex., Laredo—Sept. 11, by L. Villegas, mayor, storm sewers and appurtenances. S. F. Crecelius, 211 Alexander Bldg., engr.; adv. E. N.-R. Aug. 30.

BIDS RECEIVED

Pa., Phila.—Completing Rock Run Main Sewer in Ogontz Ave., from Pacifico Ventesco, 309 East Harris St., $59,644, also completing water and air piping, at Frankford Grit Chamber, from Bulman Bros., 2501 North 5th St., $1,166. Noted Aug. 16.

D. C., Wash. — Dist. Comrs. 509 Dist. Bldg., furnishing 700,000 red sewer brick, from Montague Mfg. Co., West Broad St., Richmond, Va., $25.72 per M. Noted Aug. 16.

O., Cleveland—Cuyahoga Co., 16,000 ft. 8 in. and 16,000 ft. 12-16 in. tile sewer in Impvt. 6, from Langaham Constr. Co., Marshall Bldg., $220,000.

O., Northwest Boulevard (Columbus P. O.)—E. Gross, city clk. Aug. 17, sanitary sewers in alleys in plats 4 and 5, 14,173 ft. 6-18 in. vitr. pipe, from Gaty Constr. Co., Sandusky and Mound Sts., Columbus, $21,845.

Wyo., Sheridan—See "Streets and Roads."

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Central Ave. and Vorhees Pl., to J. Gallo, 203 Division St., Brooklyn, $72,793 and $13,648 respectively; in Idaho and 161st Sts., to H. J. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica, $4,853 and $2,730 respectively; in Lake St., H. Johnson, $5,914. Noted Aug. 16.

N. Y., New York—H. Bruckner, pres, Bronx Boro, 3rd and Tremont Aves., sewers in (1) Mayflower Ave. (2) Bradford Ave. (3) West 262nd St. (4) Holland Ave. (5) Randall Ave.; grading and building inlets in (6) Magneta St. (7) Spuyten Duyvil Parkway (8) Lurting Ave. (9) unnamed streets (10) Hone Ave. (11) Yates Ave. (12) Knapp St. (13) Delafield Ave. concrete culvert across (14) Ludlow Ave. to Norton Eng. & Contg. Co., (1) $2,053; J. V. Timoney Co., 220 East 201st St., (2) $10,303; A. Gregorio, (3) $3,609; M. Del Balso, 660 East 221st St., (4) $6,396 (14) $11,997; McDonald & Wilson Co. (5) $8,558; I. F. Cavaluzzio, 1538 Walton Ave., (6) $4,851 (8) $18,804 (11) $26,309; O'Connoll & Strada, Inc., 3318 Olinville Ave. (7) $20,862; Spedero & Turiamo Co., 3185 East Tremont Ave. (9) $619; Spadero Contg. Co., 827 East 217th St., (10) $15,133; C. Petrillo Co., Inc., (12) $1,445. Noted Aug. 23.

Sewers (Continued)

N. J., Haddonfield—Boro Commissioners, Boro Hall, sanitary sewerage system and sewage pumping station, etc., to G. W. Miller Co., Pitman, $65,000. Noted July 26.

Md., Baltimore—Bd. Awards, constructing sludge digestion tanks 24, 25 and 26, and sludge drying beds 9 and 10, at Baltimore Sewage Treatment Wks., to Consolidated Eng. Co., Calvert Bldg., $160,310. Noted Aug. 16.

O., Akron — Constructing Forest Hill Trunk sewer, to F. George, Akron, $80,154. Engrs. est. $80,000. Noted Aug. 9.

O., Akron—Sewer in West Market St. from West St. to Merriman Rd., to McAlonan Bros., 197 West Buchtel Ave., $53,020. Engrs. est. $60,000. Noted Aug. 9.

O., Euclid—Sewers in Lake Shore Blvd., Sects. 3 and 4, to Hadded-Mall Co., Schofield Bldg., Cleveland, $156,256; in Chardon Rd., to Curro Bros. & Whittaker, 12208 Mansfield Rd., Cleveland, $35,189; in Johnson Rd., to Iafornaro Constr. Co., 2218 Murray Hill Rd., Cleveland, $51,800; in Cut Rd., to C. W. Jackson, 1318 East 84th St., Cleveland, $114,823. Noted Aug. 30.

Kan., Wichita—For 25,335 lin.ft. 12-54 in. sewers, curbing and paving various streets in Riverside Dist., to A. Dobson Co., 1st Natl. Bank Bldg., Lincoln, Neb., $129,414. Noted Aug. 2.

Calif., Oakland—Constructing 12, 14, 18 and 21 in. vitr. and 30 in. concrete pipe sewers in portions Jackson St., to Canbar & Garden, 969 3rd St., Oakland. Noted Aug. 23.

Que., Greenfield Park—Constructing 6,000 ft. c.i. sewers and watermains incl. 6-10 in. sewer pipe and 8-18 in. water pipe, to T. O'Sullivan Contg. & Constr. Co., Montreal, $46,597.

Waste Disposal

BIDS DESIRED

N. Y., Long Island City—Sept. 6, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., construction and completion of building and runway, furnaces, appurtenances and chimney of Bergen Landing Destructor, 4th Ward.

Calif., Sacramento — Receiving bids for incinerator. Former bids rejected. Noted Aug. 23.

Bridges

PROPOSED WORK

Okla., Tulsa—See "Streets and Roads."

New Jersey—State Hy. Comn., Trenton, rejected bids steel bridge of two 73 ft. spans, 30 ft. roadway, over Crosswicks Creek, Burlington and Mercer Counties, $80,000. Will readvertise. J. L. Vogel, 772 Broad St., Newark, engr. Noted Aug. 23.

Pa., Williamsport—See "Sewers."

Ky., Clay City—State Hy. Dept., Frankfort, having plans prepared 240 rein.-con. and steel bridge, to have one 100 ft. and two 70 ft. spans, over Red River, Powell Co., near here. To exceed $25,000. J. S. Boggs, state highway engr.

O., Kenmore—Plans viaduct over railroad tracks at 27th St., either steel, rein.-con. or steel incased in concrete. To exceed $100,000. Cost to be borne by city and railroad. D. P. Dowling, City Building, engr.

O., Massillon—See "Streets and Roads."

Minnesota—State Hy. Dept., St. Paul, plans 1,500 ft., steel and concrete bridge, over Mississippi River between St. Paul and Minneapolis, to connect Minneapolis with new Ford plant. Site undetermined. $1,500,000. C. M. Babcock, state highway comr.

Tex., Dallas—See "Streets and Roads."

BIDS DESIRED

New York—Sept. 7, by Committee on Bridges, at office C. MacDonald, engr. Westchester Co., White Plains, Van Cortlandt Bridge, over Croton River, between Cortlandt and Ossining; adv. E. N.-R. Aug. 30.

New Jersey—Sept. 11, at office State Hy. Comn., Trenton, concrete encased steel plate girder bridge, one 89 ft. span, concrete abutments, temporary bridge and rein.-con. slab approaches and removal of present bridge, over Pequannock River at M. P. 16.1, State Highway Route 8, Sect. 3, Pequannock and Pompton Twps., Morris and Passaic Counties. J. L. Vogel, 772 Broad St., Newark, bridge engr.

La., Mermentau — Oct. 2, by State Hy. Comn., Baton Rouge, highway bridge and approaches, over Mermentau River, Federal Aid Project 122. J. M. Fourmy, ch. engr.; adv. this issue.

Tenn., Columbia—Sept. 6, by B. Wilkes, engr., Maury Co., 40 ft. span concrete bridge over Carters and Gibson Creeks.

O., Youngstown—See "Miscellaneous."

Indiana—Sept. 11, by State Hy. Dept., Indianapolis, constructing the following bridges: **F A means Federal Aid, S A State Aid, S R State Road, s t steel truss, r c g rein.-con. girder, r c a rein.-con. arch, r c s rein.-con. slab; s t with four 198 ft. spans over White River, S R 4-M, F A 116, Lawrence, means steel truss bridge with four 198 ft. spans over White River, on State Rd. 4-M, Federal Aid 16, Lawrence Co.**; s t with four 198 ft. spans, over White River, S R 4-M, F A 16, Lawrence; one 31 ft. s t over Drain Ditch, S R 2-C, F A 17, Porter; one 55 ft. s t over Drain Ditch, S R 2-D, F A 17, one 20 ft. r c s over State Creek, Boot Jack Rd., F A 48, one 69 ft. s t and one 28 ft. r c g over Trail Creek, S R 15-H, F A 48, Laporte; one 55 ft. s t over Grassy Creek, one 48 ft. s t over Sandy Creek, one 48 ft. s t over Lewis Branch, three 124 ft. s t over Muscatatuck River, 1 r c g with twelve 38 ft. spans and 1 r c g with five 38 ft. spans, over Muscatatuck River, all on S R 1-E, F A 21, Jackson; one 72 ft. s t over Blue Lick Creek, S R 1-B and one 55 ft. s t over Pigeon Roost, S R 1-C, both F A 21, Clark Co.; 2 r c g with three 38 ft. spans, over Flat Creek and Muscatatuck Bottom, one 65 ft. s t over Hutto Creek, S R 1-D, F A 21, also one 28 ft. r c g over White Eye Creek, S R 40-G, F A 59, Scott; one 124 ft. s t and 1 r c g with twelve 38 ft. spans, over Muscatatuck River, S R 1-D, F A 21, Jackson and Scott; one 50 ft. r c a over Drain Ditch, S R 10-I, F A 35, Vigo; one 28 ft. r c g over Bush Creek, S R 6-H, F A 40, one 48 ft. r c a over Little Eagle Creek, S R 6-H, S A 6, and r c a with three 65 ft. spans, over Big Eagle Creek, S R 6-H, F A 40, Marion; one 40 ft. s t over Drain Ditch, S R 2-L, S A 2, Whitley. J. D. Williams, dir.

Ill., Rockford—Sept. 4, at office A. R. Carter, supt. of Highways, Winnebago Co., 3 rein.-con. bridges, one 45 ft., one 30 ft. and one 26 ft. span, in Rockford Twp.

Missouri—Sept. 5, by State Hy. Dept., Jefferson City, six 80 ft. steel truss spans and 4 rein.-con. piers, over Morias Des Cygnes River, three 100 ft. and two 60 ft. steel truss spans, over Miami River, Bates Co.; three 80 ft. and one 60 ft. steel truss, six 20 ft. rein.-con. slab spans, 4 rein.-con. piers, over Platte River, one 60 ft. steel truss and six 20 ft. rein.-con. slab spans, 2 rein.-con. piers, over 102 River, Buchanan Co.; five 35 ft. deck girder and six 20 ft. rein.-con. slab spans, over Grand River, also three 12 ft. rein.-con. slab spans on Sta. 294-148, Cass Co.; one 50 ft. steel truss and one 25 ft. rein.-con. girder spans, over Jordan Branch, one 30 ft. and one 40 ft. rein.-con. deck girder spans and one 70 ft. steel truss span, over Castile Creek, Dekalb Co.; two 20 ft. rein.-con. slab spans, 1 concrete pier, over Gum Spring Branch, four 10 ft. rein.-con. slab spans, 3 rein.-con. piers, over Culpepper Branch, one 25 ft. deck girder span, on Sta. 1011-40, Newton Co.; one 70 ft. steel truss or rein.-con. arch span, over River Des Peres, St. Louis Co.; one 40 ft. I-beam span over Maple Slough Drainage Ditch, Mississippi Co.; six 20 ft. rein.-con. slab spans, over Willow Branch, Ray Co.; thirty 20 ft. I-beam spans, over Grand River, Livingston Co.; one 12 ft. rein.-con. slab span, Sta. 389-33, one 60 ft. steel truss span, over Minnow Branch, Marion Co.; one 60 ft. steel truss and four 20 ft. rein.-con. slab spans, 2 rein.-con. piers, over Rock Creek, four 30 ft. I-beam spans, over Cow Branch, Atchison Co.; one 180 ft. steel truss and four 20 ft. concrete slab spans, over Big St. Francis River, Madison Co.; three 10 ft. rein.-con. slab spans, 2 rein.-con. piers over Spring Creek, Douglas Co.; nine 20 ft. I-beam spans, over Grand River, Livingston Co.; three 20 ft. rein.-con. slab spans on Sta. 836-00, Holt Co.; cleaning, painting and reflooring, one 120 ft. steel truss span, eight 30 ft. and one 15 ft. steel lattice girder spans, over Roark Creek, Taney Co.; two 152 ft. steel truss spans, over Jacks Fork, Texas Co. B. H. Piepmeier, ch. engr.

California—Sept. 11, by State Hy. Comn., Sacramento, bridge over Cedar Creek, 18 mi. east of Gilroy, incl. three 42 ft. 4 in. rein.-con. girder spans with concrete piers, abutments and wing walls; bridge across North Fork of Pacheco Creek, about 21 mi. east of Gilroy, incl. three 50 ft. and four 25 ft. rein.-con. girder spans on concrete bents. R. M. Morton, state highway engr.

BIDS RECEIVED

New Jersey—Joint Bridge Comn. of Essex and Hudson Counties, Court House (Newark), repairing and repaving bridge deck, concrete and wood block, over Passaic River, Jackson St., from J. Befumo, East Orange, 106.75% engrs. est. ($49,879). Noted Aug. 23.

N. J., Keyport—State Hy. Comn., Trenton, new abutment sand approaches for Bridge 43, over Luppatcong Creek on State Highway Route 4, here, from J. F. Clarke, 3 Cloverhill Pl., Montclair, $23,000. Noted Aug. 9.

South Carolina—State Hy. Comn., Columbia, bridges over Lynches River, Federal Aid Project 180B, Florence Co., rock asphalt paving, steel superstructures, hardwood treated and untreated piling, etc., from Palmer & Conrad, Florence, $46,150.

Ohio—See "Streets and Roads."

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, Aug. 20, constructing bridges, **c g means concrete girder, c s concrete slab, super. superstructure, sub substructure and s steel**, 3 c g and 1 c s Route 16, Sect. 6B, Coles, from Acme Eng. Co., Decatur, $30,420 less 1½% personal bond is accepted; 1 sub for steel and 1 c s extension, Route 2, Sect. 84-B, Woodford, and 1 c g Route 2, Sect. 86-B, Woodford, from Camerer Cement Products Co., El Paso, $5,544 and $9,544 less 1½% respectively; 1 super for steel, Route 2, Sect. 64-C, Woodford, from Barr & Denton, Rochester, Ind., $6,104; 1 sub for steel, 1 c s extension and 1 c g, Route 2, Sect. C, Woodford, and 1 s, 1 c g and 1 c s extension, Route 2, Sect. D, Woodford, from F. E. Marsh & Co., Des Moines, Ia., $13,700 and $22,000 respectively. Noted Aug. 9.

Calif., San Francisco — Bd. Pub. Wks., steel bridge superstructure to carry Bay Crossing Pipe Line of Hetch Hetchy Project across Dumbarton Straits, Contr. 32, thirty-six 105 ft. spans, 2,880,000 lb. metal, 326,000 sq.ft. protective coating on surface of all steel, 58,500 ft. O. P. walkways, etc., for City and San Francisco Co. from United States Steel Products Co., Rialto Bldg. Proposition A $272,162; Proposition B $239,562. Noted Aug. 9.

CONTRACTS AWARDED

Conn., Forrestville—Concrete bridge with two 60 ft. spans, to A. DiMarco, Plainville. Engrs. est. $25,000. Noted July 26.

New York—G. A. Whalen, comr., Plans & Structures, Municipal Bldg., New York City, piers for bridge, over North Channel, Jamaica Bay Blvd., Queens Boro, to A. McMullen Co., 50 Church St., New York City, $466,000. Noted Aug. 2.

W. Va., Clendenin—Comrs. Kanawha Co., Charleston, bridge over Elk River, here, to Metal Products Co., Boyd Bldg., Charleston, $43,125. Noted July 26.

Ga., Waycross—State Hy. Dept. at East Point, 2 concrete bridges 375 lin.ft. long, on Waycross-Pearson Highway, Federal Aid Project 334 and 337, Ware Co., to C. E. Story, Leonard Bldg., Augusta, $24,343 and $19,893 respectively. Noted July 26.

Fla., Daytona—Comrs. Volusia Co., De Land, creosoted wood bridge, one 55 ft. steel draw span, across Halifax River, here, to M. L. Crewe, Daytona, $70,000. Noted July 26.

Louisiana—State Hy. Dept., Baton Rouge, 7 concrete bridges and 7 concrete piers, along Shreveport-Minden Highway, Caddo-Bossier Parish to C. W. George & Co., Arcadia, $44,704. Noted July 26.

Michigan—State Hy. Dept. Lansing, 80 ft. concrete girder Bridge 611001 near White Hall, Muskegon Co., to R. Love & Son, Muskegon, $31,406. Noted Aug. 16.

Mich., Indian River—State Hy. Dept., Lansing, 90 ft. concrete girder Bridge 161701, Cheboygan Co., to J. S. Whiteman Constr. Co., 525 Woodland Ave., Detroit, $37,761. Noted Aug. 24.

Ia., Elkader — Clayton Co., to W. C. Bender, Waukon, 3 box culverts, one I beam and re-erecting 1 pony truss, $7,473; W. Vogt, Guttenberg, 1 box culvert, $[illegible]; T. Fisko, Garber, 1 box culvert, $752; A. Olson Constr. Co., Waterloo, 1 box culvert and 1 high truss bridge, $35,767.

Ia., Mt. Pleasant—Henry Co., to Alexander & Higbie, 2733 6th Ave., Des Moines, 1 concrete deck truss, on Federal Aid Project 151, $25,477; to J. L. Whitney, Mt. Pleasant, 20 concrete box culverts, on above road, $12,732.

California—State Hy. Comn., Sacramento, rein.-con. bridge across Whitewater River, near Whitewater, Riverside Co., eight 46 rein.-con. girder spans, etc., to Gibbons & Reed Co., 905 South Olive St., Los Angeles, $120,132. Engrs. est. $132,217. Noted Aug. 23.

Calif., Ventura—Ventura Co. rein.-con. bridge with seven 30 ft. spans, concrete pile piers and abutments, timber pile foundation, over Conejo Creek, to J. Short, 420 South Beaudry St., Los Angeles, $23,900. Noted Aug. 23.

Dams

PROPOSED WORK

Tex., Bronte—Coke Runnels Water Impvt. Dist. 1, plans dam on Colorado River, ditches, laterals, etc. $4,500,000-$5,000,000. C. C. Holder, Bronte, engr.

Railways

PROPOSED WORK

California — City and County of San Francisco having plans prepared Eureka Tunnel route of municipal railway system. To exceed $1,000,000. M. M. O'Shaughnessy, city engr.

Indiana—Pennsylvania R.R., 844 Oliver Bldg., Pittsburgh, Pa., plans elevation of tracks on Lafayette St., in Ft. Wayne, here. $1,000,000. W. D. Wiggins, ch. engr.

BIDS DESIRED

Texas—See "Miscellaneous."

CONTRACTS AWARDED

Ontario — Kitchener Light Comrs. will double track ¾ mi. street railway on King St. from Union to William Sts., by day labor. $25,000. A. R. Long, engr.

Excavation, Drainage, Irrigation

PROPOSED WORK

Ark., Newport—Cache River D. D. making plans for drainage ditches, canals, etc., in Jackson and Poinsett Counties. $1,000,000. Morgan Engineering Co., Goodwin Inst., Memphis, Tenn., and Bowman Engineering Co., Newport, engrs. Noted Aug. 2.

Ont., Port Colborne—Dominion Dept. Rys. & Canals, Parliament Bldgs., Ottawa, soon takes bids for Port Colborne section of Welland Canal. $10,000,000. W. A. Bowden, ch. engr.

BIDS DESIRED

Miss., Clarksdale—Sept. 11, by Bd. Drainage Comrs. of Coahoma Co, at office of Ross-Clinton Co, Clarksdale, cleaning and enlarging 205,300 cu.yd. Main Ditch, Contr. 1; cleaning and enlarging Laterals 1, 2 and 5, and new work in Laterals 1, 1A, 2, 2A and 4A, total 147,100 cu.yd., Contr. 2; cleaning and enlarging Laterals 6 and 8, and new work in Laterals 6, 6A, 7, 7A, 7B and 8A, total 164,650 cu.yd., Contr. 3. C. O. Bobo, secy.

Ia., Estherville—Sept. 6, by Supervs. Emmet Co., at office J. J. Klopp, aud., constructing D. D. 121 ,Sect. 1, open ditch, 266,612 cu.yd. ecav.; Sect. 2 13,870 lin.ft. 6-18 in. tile, etc.

CONTRACTS AWARDED

Minn., Minneapolis — Judicial Ditch 2, 3,600 lin.ft. open ditch, 40,431 lin.ft. 6-36 in. drain tile, 10 surface water inlets, to Zaboral & Madsen, 2712 Pleasant Ave., $36,400. Noted Aug. 2.

Calif., Chico—Butte Creek D. D., cleaning out Butte Creek, to California Dredging Co., Hobart Bldg., San Francisco, 80,000 yd. excav. in outlet drains at $0.20 per yr., 20,000 yd. excav. in drainage canal $0.25. Noted Aug. 23.

Calif., Los Angeles—Bd. Harbor Comrs., dredging 100,000 cu.yd. fronting wharves, to United Dredging Co., Central Bldg., $0.244 per cu.yd.

Streets and Roads

PROPOSED WORK

Connecticut—State Hy. Dept., Hartford, plans repairing Post Rd. $1,000,000. State Hy. Dept., engr.

New York—See "Miscellaneous."

New York—State Hy. Comn., Albany, soon takes bids concrete paving 3 mi. road from Finley Lake to Pennsylvania State Line, 18 ft., $129,427. F. S. Greene, comr.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., rejected bids grading, curbing and laying sidewalks on Beach 92nd St. Will readvertise. Noted Aug. 23.

W. Va., Wayne—Union Dist., Wayne Co., election Sept. 10, to vote on $194,000 bonds for road work. H. Adkins, co. clk.

N. C., Beaufort—Plans 20,000 sq.yd. concrete or asphaltic paving, 10,000 sq.yd. sidewalk, curbing, guttering, etc. J. D. Spinks, Winston-Salem, engr.

N. C., Kinston—Plans repaving business section of Queen St. $50,000. W. B. Coleman, city clk.

N. C., Raleigh — Plans paving various streets in Cameron Park Suburb. $1,000,000. C. C. Page, comr. Pub. Wks.

Fla., West Palm Beach—Palm Beach Co. voted $25,000 bonds two wheel roads 4 mi. paralleling St., Lucie Ave. and 2 mi. in Palm City and Stuart Annie Rd., etc.; $30,000 bonds constructing Gap in Stuart Annie Rd. and Stuart Annie to Halpatiokee Rd., also $25,000 bonds for 4 mi. Salerno-Stuart Annie Rd., all above Special Roads & Bridge Dist. 16. C. Holtslaw, co. engr.

Miss., Grenada—Grenada Co. rejected bids grading, graveling, constructing bridges, etc., on 7.6772 mi. Federal Aid Project 147, between here and Calhoun City. Will readvertise. W. W. Dunn, engr. Noted July 19.

La., Natchitoches — Having plans prepared and soon takes bids, 18 mi. dirt roads. $125,000. E. B. Welch, eng.

Tenn., Columbia—Maury Co. plans 16 mi. State Aid Highway, 16 ft., from Columbia to Lawrence Co. line via Mt. Pleasant and Rockdale, probably bituminous macadam, under supervision of State Hy. Dept., Nashville.

Tenn., Livingston — Overton Co. voted $300,000 bonds constructing State and Federal Aid roads. J. H. McDonald, co. judge. Noted May 3.

Kentucky—State Hy. Dept., Frankfort, plans grading 4.5 mi. Leitchfield-Elizabethtown Rd., Grayson Co., 4 mi. Western Dixie Highway, State Project 3, Warren Co., 26 mi. Burkesville-Glasgow Rd., State Project 40, Cumberland, Metcalfe and Barren Counties, 1.306 mi. Clay City-Virden Rd., State Project 4, Sect. C, Federal Aid Project 108, Powell Co., 3.971 mi. Henderson-Dixon Rd., Federal Aid Project 42, Henderson Co., all above 24 and 28 ft. wide; gravel surfacing Princeton-Marion Highway, State Project 10, Caldwell Co., 18 ft. J. S. Boggs, state highway engr.

Kentucky—State Hy. Dept., Frankfort, plans surfacing 4 mi. Princeton-Marion Rd., 18 ft., Crittenden Co.; having surveys made grading Campton-Jackson Highway, 24 and 28 ft., State Project 4, Wolfe Co., road from Springfield to Nelson Co. line, 24 and 28 ft., State Project 47, Washington Co. J. S. Boggs, state highway engr.

Kentucky — State Hy. Dept., Frankfort, plans reconstructing 5.795 mi. Calhoun-Owensboro Rd., 18 ft., McLean Co.; surfacing 3.796 mi. Louisville-Bardstown Rd., 20 ft., Jefferson Co. J. S. Boggs, state highway engr.

Kentucky—State Hy. Dept., Frankfort, having plans prepared surfacing 12.6 mi. Winchester-Clay City Rd., 18 ft., Clark Co. J. S. Boggs, state highway engr.

Ky., Owensboro — Plans widening and paving 4th St. from St. Ann to Frederica Sts. $25,000.

Ky., Paducah — McCracken Co. plans grading Lyon Ave. from city limits to county line. $30,000. J. M. Wetherington, co. comr.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bid paving 3.02 mi. Sect. "C" Archibold-Defiance Rd., Defiance Co., rein.-con. $92,692, or bituminous macadam with asphalt or tar, $78,317. Noted Aug. 16.

Ohio—Dept. Highways and Pub. Wks., Columbus, received no bids for paving 0.75 mi. Sect. "K-2" McConnelsville Caldwell Rd., Morgan Co., bituminous macadam, asphalt or tar, $29,650; ½ mi. concrete curb Sect. "L" Bucyrus-Marion Rd., Crawford Co., $5,660; 0.23 mi. Sect. "E-1" Cleveland-East Liverpool Rd., plain concrete, $8,616; approaches to bridge, Sect. "A," Ripley-Hillsboro Rd., Brown Co., waterbound macadam, $3,329; bridge on Sect. "A," Ripley-Hillsboro Rd., Brown Co., $10,979. Noted Aug. 16.

O., Alliance — Plans curbing, guttering, laying sidewalks and paving 6th St. $32,500; also paving Terrace St. $28,000.

O., Canton—Soon takes bids brick gutters, widening and resurfacing 6 blocks McKinley Ave., N. W., asphalt. $40,000. W. E. Sarver city engr.

O., Canton—A. L. Wise, engr. Stark Co., Court House, (succeeding G. L. Sickafoose, after Sept. 5), takes bids in September, paving Whipple Ave. from end of Fulton Rd., paving to Massillon-Canton Rd. $40,000. Noted July 26.

O., Cleveland—Cuyahoga Co. takes bids in fall concrete paving Fitzwater and Minerva Rds. $162,821. F. R. Lander, Court House, engr.

O., Massillon—Plans extending Plum St. through to Clay St. and erecting bridge over Ohio Canal at this point. To exceed $50,000. C. E. Rice, city engr.

Mich., Detroit—Having plans prepared grading and paving with 3½ in. sheet asphalt on 8 in. concrete 6,100 sq.yd. Cameron Ave., $36,830, 2,700 sq.yd. Marcus Ave., $16,380, 8,400 sq.yd. Normandy Ave., $50,590, 13,000 sq.yd. Canfield Ave., $77,810, 180 sq.yd. Pasadena Ave., $1,000, 4,000 sq.yd. Sylvester Ave., $24,310, 2,200 sq.yd. Frontenac St., $13,450, 3,100 sq.yd. Yosemite Ave., $18,120, 4,300, sq.yd. Glenwood Ave., $26,230, 12,400 sq.yd. Seven Mile Rd., $74,250; 3 in. sheet asphalt on 6 in. concrete 2,300 sq.yd. Longwood Ave., $11,980, also 3,300 sq.yd. one course concrete in 2 alleys, $8,850. J. W. Reid, city engr.

Ill., Alton — Making preliminary plans grading and paving with brick or concrete, about 16 blocks various streets. $115,000. J. E. Schwab, City Hall, engr.

Ill., Edwardsville—Madison Co. making preliminary plans grading and paving, probably concrete, 33 mi. roads in vicinity of Collinsville and Alton. $100,000. Address County Engineer, Court House.

Wis., Waukesha — Bd. Pub. Wks. soon takes bids curbing, guttering and concrete paving 10,000 sq.yd. Racine and Fairview Aves. Est. $25,000-$30,000. A. P. Kuranz, City Hall, engr. Noted March 22.

Kan., Anthony—Harper Co., making plans and soon takes bids, 9.5 mi. sand clay road in Federal Aid Project 155. Elderman & Marshall, Topeka, engrs.

Kan., Kinsley—Edwards Co. plans grading 7.741 mi. Sante Fe Trail, Federal Aid Project 115, Sect. B., 18 ft., E. B. Johnson, Kinsley, engr.

Neb., Wymore—Plans paving 32 blocks. $120,000. D. K. Windel, clk.

Mo., Clayton — St. Louis Co. making preliminary plans grading and paving several miles Ozark Trail, rein.-con., $90,000 also 5 mi. Creve Couer Mill Rd., 18 ft., tarvia, $90,000. W. Elbring, Court House, engr.

Mo., Joplin—Having preliminary plans prepared grading and paving 5,680 ft. Joplin Rd. one course concrete. $27,500.

Ark., Little Rock—Making plans grading and paving 45 blocks of various streets in Dists. 355, 370, 371 and 372. To exceed $100,000. Engineer not selected.

Tex., Baird—Callahan Co. election Sept. 15, to vote on $200,000 bonds completing Bankhead Highway in Precinct 1, hard surface. V. C. Gilbert, co. judge.

Tex., Coleman — Coleman Co. election Sept. 2, to vote on $200,000 bonds gravel surfacing State Highway 7, and lateral roads, 18 ft. Total cost $350,000. W. E. Dickerson, co. engr.

Tex., Dallas — Having plans prepared curbing, guttering, paving with rock asphalt, bitulithic, brick or wood block 10 blocks Cockrell, Bell, Simpson, Cadiz and Martinique Sts., $35,000-$40,000; 9 blocks Plowman, 10th, Wall and Willis Sts., $27,000; 12 blocks Willomet, Sears, Richmond, 12th and Windomere Sts.; 8 blocks Douglas, Fouraker, Federal, Jefferson, Parry and 9th Sts., $30,000. E. A. Kingsley, city engr.

Tex., Fairfield—Freestone Co. plans election to vote on $1,000,000 bonds improving R. Q. Mills and Exall Highways, also bridge across Trinity River. F. Roper, co. judge.

Tex., Hillsboro—Hill Co. having plans prepared grading and gravel surfacing 10.5 mi. State Highway No. 2-E, 18 ft. $124,850. G. W. Johnston, engr.

Tex., Mexia—Voted $50,000 bonds paving various streets. R. D. Morgan, Mexia, engr.

Tex., Palo Pinto—Palo Pinto Co. plans concrete curbing and brick paving 4 mi. State Highway 1, between Mineral Wells and Parker Co. line, 18 ft. $90,000. G. W. Courter, co. engr.

Tex., Sulphur Springs — Hopkins Co. voted $160,000 bonds improving State Highway 1, Rd. Dist. 8, from Sulphur Springs to Hunt Co. line. R. E. Bertran co. judge.

Tex., Waxahachie — Ellis Co. election Sept. 8, to vote on $75,000 bonds constructing Waxahachie Rd. H. R. Stovall, co. judge.

Okla., Claremore — Rogers Co. election Sept. 8, to vote on $650,000 bonds grading and paving 100 mi. roads, 18 ft. F. L. Simmons, Capitol Bldg., Oklahoma City, engr.

Okla., Tahlequah—E. Covell, city clk., soon takes bids paving 8 blocks Muskogee Ave., 14,000 sq.yd. concrete, 4,000 lin.ft. curbing, etc. $35,000. Benham Eng. Co., Gumble Bldg., Kansas City, Mo., engrs.

Okla., Tulsa—Tulsa Co. plans 12 mi. paving, 18 mi. grading, bridges, etc. D. Patton, Tulsa, engr.

Okla., Weleetka—Had preliminary plans prepared grading, curbing and paving 8 blocks Creek, 7th, 8th and 10th Sts., 30 ft., 15,000 sq.yd. concrete. $60,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Streets and Roads (Continued)

Nev., Reno — Plans concrete curbing, guttering, laying sidewalks and paving 80 blocks, probably asphaltic concrete. J. B. Reese, city clk.

Calif., Eureka—Humboldt Co. plans election to vote on $2,000,000 bonds for highway system. A. J. Logan, co. surv.

Calif., Martinez—Contra Costa Co. having plans prepared paving Emeric, Bush, Pine and Sutter Sts., Rd. Dist. 1, 440,000 sq.ft. 1½ in. warrenite bitulithic on 3 in. asphaltic concrete. R. L. Calfee, 221 South 22nd St., Richmond, engr.

Calif., San Diego—Had plans prepared paving with 1½ in. willite, warrenite or asphaltic concrete, Topeka, on 3 in. asphaltic concrete 20,092 s.yd. Imperial Ave. through Encanto; ½ in. asphaltic concrete on 4 in. and 5 in. concrete 13,550 sq.yd Ray, Weightman and Dwight Sts.; 1½ in. asphaltic concrete on 2½ in. asphaltic concrete 14,104 sq.yd. 3rd, Spruce, Front and Redwood Sts., 23,905 sq.yd. Grandad, 29th, Dale and Palm Sts.; 1½ in. asphaltic concrete on 4 in. concrete 9,501 sq.yd. Ivy, 31st and Fern Sts.; 1½ in. asphaltic concrete on 4 and 5 in. concrete 19,077 sq.yd. Hawthorn St. F. A. Rhodes, city engr.

Calif., San Luis Obispo—Plans paving 100,244 sq.ft. Osos St. To exceed $25,000.

Calif., San Rafael—Plans election to vote on $80,000 bonds for street improvements. H. K. Brainerd, city engr.

Calif., Santa Ana—Had plans prepared improving Fairview, South Flower and South Main Sts., 112,747 sq.ft. grading and 6 in. asphaltic concrete pavement, 3,170 ft. curb, etc. W. G. Knox, city engr.

Calif., Visalia—Tulare Co. had estimates prepared constructing 65 mi. Camp Nelson-Lone Pine Highway. $421,745. L. A. Moye, co. surv.

Que., Montreal—Plans to extend Sherbrooke St. E, 100 ft. wide, asphalt. $169,014. Work includes subway under property of St. Jean de Dieu Hospital, $55,263. E. Gauthier, asst. city clk.

Que., Montreal—Plans 21,797 ft. asphalt pavements on Savoie and Aurecque Lanes, Des Ormes Blvd., Sir George Atienne Cartier Sq., Smith, Emery, Clarke, St. James, Athletique, Duvernay, Letourneau, and College Sts., $301,015; concrete sidewalks on 13,284 ft. Hamilton, St. James, Boyer, Dufresne, St. Ambroise, Lacasse, Therriem, and Athletique Sts., Letourneaux Pl., and Sir George Atienne Cartier Sq., $79,539; cement slab sidewalks on 11,070 ft. Western Ave., St. James, Contrecoeur and Delaunudiere Sts., $9,940. E. Gauthier, asst. city clk.

Ont., Toronto—Soon takes bids 8,000 sq. yd. asphalt pavement on Bancroft Ave., $7,244, Manning Ave., $3,344, Poplar Plains Crescent, $8,821, and Rountree Ave., $16,889; asphaltic concrete pavement on 2,100 sq.yd. Rountree Ave., $10,935; concrete curbs in Rosedale Heights Dr. and Rountree Ave., $2,500. R. C. Harris, city engr.

BIDS DESIRED

Vermont—Sept. 6, at office of T. W. Dix, ch. engr., Dept., Highways, Montpelier, paving 2.35 mi. road in Pownal, rein.-con.; adv. E. N.-R. Aug. 30. Noted Aug. 23.

Massachusetts—Sept. 11, by W. F. Williams, state highway comr., Boston, concrete paving 16,114 ft. highway, 18 ft., through Sheffield. To exceed $150,000.

Conn., Greenwich—Sept. 10, by Highway Comn. of Greenwich, at office of P. L. Minor, supt., of highways, Town Hall, grading, paving, etc., River Rd.; adv. E. N.-R. Aug. 30.

N. Y., Niagara Falls—Sept. 15, by E. J. Fort, city engr., paving Sugar St., granite block $95,340, wood block $95,340, asphalt block $89,740 and sheet asphalt $78,540.

N. Y., New York—Sept. 6, by J. Miller, pres. Manhattan Boro. Municipal Bldg., repaving with sheet asphalt on concrete, roadways of West 149th, West 150th, West 153rd, East 79th, 77th and 74th Sts.

N. Y., New York—Sept. 6, by Park Bd., Municipal Bldg., repaving roadway West Drive north of 102nd St., in Central Park, sheet asphalt on existing concrete. F. D. Gallatin, pres.

N. Y., Tonawanda—Sept. 15, by Tonawanda Town Bd., at Village Hall, Kenmore, grading, curbing, building storm sewers and paving crosstown boulevard. G. C. Diehl, 575 Ellicott Sq., Buffalo, engr.; adv. E. N.-R. Aug. 30.

N. J., Point Pleasant Beach—Sept. 13, by H. L. Tindell, mayor, and Boro. Council, constructing concrete pavement and curbs on Arnold and Bay Aves.; paving and storm drains and appurtenances on Railroad Sq., Cincinnati and Arnold Aves. R. W. Morris, Point Pleasant, engr., adv. E. N.-R. Aug. 30.

N. J., Trenton — Sept. 7, resurfacing Princeton Ave., repaving 2 sections West Hanover St., removing one line of car tracks and paving Liberty St. $150,000. J. E. English, city engr. Noted Aug. 16.

Pennsylvania — Sept. 11, by State Hy. Dept., Harrisburg, improving roads, **(R. means Route and A. Application)** 5.292 ft. **R. 149,** and 7,210 ft. **R. 160, Berks Co.,** 19,934 ft. **R. 212 Bradford Co.,** 3,845 ft. **A. 1302 Bucks Co.,** 27,037 ft. **R. 79 Butler Co.,** 29,027 ft. **R 83 and A. 1558 Crawford Co.,** 11,720 ft. **R. 131 Delaware Co.,** 13,625 ft. **A. 1467 Erie Co.,** 1,603 ft. **R. 117,** 5,396 ft. **R. 116** and 1,125 ft. **A. 874, Fayette Co.,** 2,866 ft. **R. 268, Greene Co.,** 18,421 ft. **R. 54** and **A. 2157 Indiana Co.,** 3,276 ft. **R. 138** and **A. 1555 Lancaster Co.,** 3,526 ft. **A. 2557 Northampton Co.,** 2,104 ft. **R. 52** and **A 1361, Somerset Co.,** 3,304 ft. **R. 120 Westmoreland Co.,** 7,911 ft. **A 2002, York Co., resurfacing** 11,524 ft. **R. 69 Armstrong Co.** P. D. Wright, secy. highways.

Pa., Erie — Taking bids paving 1 mi. Cherry St., 20 ft., asphalt. $55,000. G. Lynch, city engr.

Pa., Windber—Sept 1, by Boro Council, paving 1,240 sq.yd. Main St., rein.-con. $25,000. W. J. Vicker, 1209 Graham Ave., engr.

W. Va., Bluefield—Taking bids resurfacing various streets. $350,000 (ultimately $850,000). C. R. Ridley, city mgr.

Georgia—Sept. 7, by State Hy. Dept., at East Point, chert surfacing 104,680 cu.yd. Cedartown-Dallas road, Federal Aid Project 303, Polk Co. W. S. Dennis, Rome, engr. Noted April 26.

Fla., Sanford—Sept. 10, grading and paving about 13,914 sq.yd. Sanford Ave., $35,000; 10,500 sq.yd.. Park, 6th and 7th Sts., $27,000; 10,900 sq.yd. French St., $28,000; 9,500 sq.yd. Mellonville Ave., Cypress, 10th, 9th and Commerce Sts., $25,000; 15,845 sq.yd. West 1st St., $40,000, all above various types of materials. F. T. Williams, Sanford, engr.

Fla., Sebring—Sept. 4, by Highlands Co. Comn., grading, shaping and sand-clay surfacing 15 mi. Lake Annie and Crewsville Rds., 16 ft. $40,000. Peacock & Hood, Sebring, engrs.

Ala., Albany—Sept. 7, asphalt paving 4th and 5th Aves. $30,000.

Miss., Belzoni—Sept. 3, by T. L. Gilmer, chn. Highway Comrs. Central Rd.. Dist. 1, at office of Chancery Clerk of Humphreys Co., improving and graveling approximately 20 mi. roads. C. E. Miller, Belzoni, engr.; adv. E. N.-R. Aug. 30.

Miss., Carrollton — Sept. 24, by Carroll Co., grading and gravel surfacing 8.047 mi. Federal Aid Project 148, from Lexington to Holcomb, 16,782 cu.yd. gravel 1 mi. haul, 138,616 cu.yd. gravel ½ mi. haul. 32,635 lb. reinforcing, etc., also bridges on above road, incl. two 100 ft. steel truss spans, 32,920 ft. lumber, etc. H. C. Dietzer, Jackson, engr.

Kentucky—Sept. 26, by State Hy. Dept., Frankfort, scarifying and reshaping 10.7 mi. Georgetown-Cynthiana Rd., 14 ft., State Project 58½, Sect. B, Harrison Co.; constructing approaches to present bridge, over Livingston Creek, 0.333 mi. Marion-Princeton Rd., State Project 10, Sect. A, Crittenden and Caldwell Counties. J. S. Boggs, state highway engr.

O., Idlewood (Cleveland Heights P. O.) —Sept. 6, grading, laying 12 in. c.i. watermains, storm and sanitary sewers in Cedar Rd. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Lisbon—Sept. 12, by Comrs. Columbiana Co., improving 1.14 mi. East Palestine-New Waterford Rd., 20 ft. $28,000-$37,000. S. Kirk, co. engr.

O., New Philadelphia—Tuscarawas Co. taking bids and opens same about Sept. 1, improving 1.2 mi. Union-Hill-Baltic Rd. Div. 1, 20 ft., waterbound macadam or bituminous macadam. $27,500.

Michigan—Sept. 10, by State Hy. Dept., Lansing, grading and surfacing 4.495 mi. State Trunk Line Rd. 79-2, Barry Co., 46,360 cu.yd. excav., 42,314 sq.yd. gravel. F. F. Rogers, state comr.

Michigan—Sept. 12, by State Hy. Dept., Lansing, grading and surfacing 9.8 mi. Federal Aid Project 105, Sect. A, Iron Co., 93,429 sq.yd. gravel. F. F. Rogers, state comr.

Illinois—Sept. 5, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving 4 mi. Route 2, Sect. 23, Fayette Co., 18 ft., with portland cement concrete, 4 in. monolithic or bituminous filled brick, bituminous concrete with or without binder course. C. H. Older, ch. highway engr.

Ia., Anamosa—Sept. 11, by Auditor Jones Co., grading 7.62 mi. Anamosa-Wyoming Rd., 26 ft. 116,760 cu.yd. excav., etc. F. S. Yetter, co. engr.

Kan., Wichita—Sept. 10, by City Comrs., paving 32 blocks of various streets, 780 sq. yd. vertical fibre brick. P. L. Brockway, City Bldg., Wichita, engr. Noted Aug. 2.

Missouri — Sept. 5, by State Hy. Dept., Jefferson City, grading 1,552,915 cu.yd. roads in Atchison, Buchanan, Bates, Ray, Carroll, Mercer, Cass, DeKalb, Newton, Miller, Douglas, Holt, Mississippi, Madison, Osage, Marion, Putman, Worth, Gasconade and Livingston Counties; 6.335 sq.yd. pavements in Jackson, Howard and St. Louis Counties; 318.2 cu.yd. concrete culverts in Barry Co. B. H. Piepmeier, ch. engr.

Mo., Sedalia—Sept. 3, by Mayor and City Clerk, grading and paving 11,200 sq.yd. Washington Ave., concrete. $36,400. C. O. Manker, city engr.

Tex., Dallas—Sept. 17, by A. C. Allen, judge Dallas Co., grading, paving with one of various types concrete, bituminous or brick, also construct rein.-con. bridge on 12.7 mi. Richardson Rd. from Dallas to Collin Co. line, 17 to 22 ft. $450,000. Noble Witt-Rollins Eng. Co., Court House, engrs.

Tex., Ft. Worth—Sept. 4, improving Irma Lee and Illinois Sts., 1,900 cu.yd. excav., 8,900 sq.ft. gutter, 4,450 ft. curb, 5,885 sq. yd. 2 in. bitulithic, rock asphalt, amesite or 3 in. brick. $25,000-$30,000. H. E. Snow, city engr.

Tex., Groesbeck—Sept. 10, by Limestone Co., surfacing with bituminous on macadam 4 mi. Exall Highway from Mexia south. A. G. McIntish, Humphreys Bldg., Mexia, engr.

Tex., Marlin—Sept. 18, by W. S. Hunnicutt, judge Falls Co., improving 6.98 mi. State Highway 44, 41,761 cu.yd. roadway excav., 28,570 cu.yd. borrow, 12,302 cu.yd. gravel, 92,033 lb. reinforcing and 94,500 lb. structural steel, etc. $121,315. J. F. Wehrung, Lott, engr.

Tex., Newton—Sept. 12, by J. C. Ramsey, judge Newton Co., improving 20.94 mi. State Highway 7, Federal Aid Project 22-183,343 cu.yd. excav. in roadway, 91,0 cu.yd. borrow, 48,750 cu.yd. gravel, 64,0 lb. reinforcing, etc. $226,909. V. O. Ellis co. engr.

Okla., Holdenville—Sept. 4, by M. Payne city clk., grading and paving 9 various connecting blocks, 16,000 sq.yd. concrete, 6,5 lin.ft. curbing, 3,800 cu.yd. earth excav. $67,000. C. E. Edge, Holdenville, engr.

Washington — Sept. 11, by State Hy. Comn., Olympia, resurfacing 5 mi. Sunset Highway, Kittitas Co.; surfacing crushed rock or gravel 11.6 mi. Central Washington Highway, Franklin Co.; grading and paving 1 mi. Ocean Beach Highway, Cowlitz Co. J. Allen, ch. engr.

Wash., Seattle—Sept. 10, by Comrs. King Co., paving 4 mi. Maple Valley Rd. from Renton west, 47,080 sq.yd. concrete, 27,0 cu.yd. earth excav. $135,000. T. R. Beeman, co. engr.

BIDS RECEIVED

Rhode Island — State Bd. Pub. Wks. Providence, Aug. 22, 2.65 mi. road in Westerly and Bradford, bituminous macadam, from G. E. Snell, Tiverton, $62,233. 5,450 cu.yd. Noosenuk Hill Rd., in West Greenwich, concrete, from J. Bristow, Narragansett Pier, $109,533. Noted Aug. 9.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., sheet asphalt repaving (1) West 68th St. (2) West 69th St. (3) West 83rd St. (4) 93rd St. (5) East 97th St. (6) West 108th St. (7) West 158th St., from Sicilian Asphalt Paving Co., 49 Park Row, (1) $57,345 (2) $19,735 (6) $11,061; Cleveland Trinidad Paving Co. Flushing, (3) $67,878; Uvalde Asphalt Paving Co., 1 Bway, (4) $18,001 (5) $19,872 C. D Beckwith, Inc., 2875 Bway, (7) $73,838. Noted Aug. 16.

New Jersey—State Hy. Comn., Trenton, concrete paving Route 4, Sect. 20 Manasquan River-Sea Girt, Monmouth Co., from McGreevey & O'Connor, Manasquan, 34% engrs. est. ($200,361); 6 mi. Route 13, Sect. 5, Trenton-Lawrenceville Rd. Mercer Co. from J. J. Barrett, Olden Ave., Trenton, 92.1% engrs. est. ($359,860). Noted Aug. 9.

New Jersey—State Hy. Comn., Trenton, Aug. 20, paving 35,400 sq.yd. Route 8, Sect 4-A, Charlottesburg - Newfoundland Rd. Passaic and Morris Counties, from R. D. Richardson Constr. Co., Connell Bldg., Scranton, Pa., 99% engrs. est. ($242,978) 41,528 sq.yd. Route 14, Sect. 9, Ocean View-Seaville Rd., Cape May Co., from W. Eisenberg, Woodbine, 98% engrs. est. ($201,722) 35,672 sq.yd. Route 16, Sect. 5, South Somerville-Woods Tavern Rd., Somerset Co., from J. F. Burke, 309 Park Ave., Plainfield, 109.3% engrs. est. ($243,301). Noted Aug. 9.

Virginia—State Hy. Comn., Richmond, grading and paving 103,967 sq.yd. Route 39, Project F 276 A, Louis and Albemarle Counties, from Ellis, Brooks & Co., Staunton, bituminous macadam, penetration $324,397, from H. H. George Jr. & Sons, Richmond, concrete, $373,750; grading 8.7 mi. Route 114, Project S 263, 24-26 ft. Dickenson Co., 336,809 cu.yd. excav., etc. from McArthur & Hood and W. H. Anderson, Huntington, W. Va., $291,774; grading 8.9 mi. Route 18, Project F 222, 22 ft.

Streets and Roads (Continued)

Campbell Co., 51,206 cu.yd. excav., etc., ... C. B. Hester, Greensboro, N. C., $46,-... paving 1.8 mi. Route 394, Project ... $85; paving 1.8 mi. Route 394, Project S 328, 18 ft., Elizabeth Co., 19,055 sq.yd. one course concrete, from Gannaway-Hudgins Co., 18 North King St., Hampton, $51,004; 65 ft. reinforced and plain concrete bridge over Allens Creek, 24 ft., near Rose Mill, Route 18, Project S 248 C, Nelson Co., from Preston & Pollard, Bedford, $6,537; 103 ft. rein.-con. and steel bridge, over Piney River, 19 ft., near Canady, Route 18, Project S 248 B, Amherst and Nelson Counties, from R. B. Curtis, Lynchburg, $15,687; grading 0.57 mi. approaches to Craig Creek Bridge, 24-26 ft., Route 22, Project S 194, Craig Co., from Preston & Pollard, Bedford, $9,472; 139 ft. reinforced and plain concrete bridge over South Anna River, 24 ft., Route 39, Project F 276, Louisa Co., from H. H. George Jr. & Son, Richmond, $19,187. Noted Aug. 2.

South Carolina—State Hy. Comn., Columbia, from G. F. Bamberg, grading and sand-clay surfacing 10.83 mi. Federal Aid Project 208 A, Colleton Co., $56,323, 5.93 mi. Federal Aid Project 208 B, Colleton Co., $37,425.

Ohio—Dept. Highways and Pub. Wks., Columbus, Aug. 24, grading, bridging and paving roads as follows: (1) 1.106 mi. Sect. "Georgetown," Cincinnati-West Union Rd., Brown Co. (2) 1.004 mi. Sect. "H" Roundhead-Ada Rd., Hardin Co. (3) 0.721 mi. Sect. "Harrisville" Bridgeport-Cadiz Rd., Harrison Co. (4) 2.052 mi. Sect. "A" Hillsboro Ripley Rd., Highland Co. (5) 3.416 mi. Sect. B-1 Hillsboro-Ripley Rd., Highland Co. (6) 2.06 mi. Sect. "O" Ohio River Rd., Jefferson Co. (7) 0.687 mi. Sect. "Toronto" Ohio River Rd., Jefferson Co. (8) 0.687 mi. Sect. "Toronto" Ohio River Rd., Jefferson Co. (9) 2.809 mi. Sect. "M-1" Ohio River Rd., Lawrence Co. (10) 3.388 mi. Sect. "N" Ohio River Rd., Lawrence Co. (11) 5.785 mi. Sects. "G" and "L" Gilead-Galion Rd., Morrow Co. (12) 0.535 mi. Sect. "B" Zanesville-Dresden Rd., Muskingum Co. (13) 3.44 mi. Sect. "A" Newark-Coshocton Rd., Muskingum Co. (14) 0.537 mi. Sect. "G" Zanesville-New Lexington Rd., Perry Co. (15) 0.517 mi. Sect. "S-W" Newark-New Lexington Rd., Perry Co. (16) 2.602 mi. Sect. A Ottawa-Defiance Rd., Putnam Co. (17) 2.121 mi. Sect. "B" Ottawa-Defiance Rd., Putnam Co. (18) 0.556 mi. Sect. "H" Ottawa-Defiance Rd., Putnam Co. (19) 1.725 mi. Sects. "F" and "G" Canton-Massillon Rd., Stark Co. (20) 2.504 mi. Sect. "P" Youngstown-Warren Rd., Trumbull Co. (21) 1.815 mi. Sect. "M" Youngstown-Warren Rd., Trumbull Co. (22) 2.632 mi. Sect. "I" Niles-Ashtabula Rd., Trumbull Co. (23) 1.375 mi. Sect. "J-1" Niles-Ashtabula Rd., Trumbull Co. (24) 1.967 mi. Sect. "D" Morristown-New Athens Rd., Belmont Co. (25) 0.118 mi. Sects. "L" and "G" Cincinnati-West Union Rd., Clermont Co. (26) 4.04 mi. Sects. "G" and "H," Dayton-Chillicothe Rd., Greene Co. (27) 2 mi. Sect. "A" Marysville-Kenton Rd., Hardin Co. (28) 1.258 mi. Sect. "B" Dennison-Cadiz Rd., Harrison Co. (29) 1.01 mi. Sect. "A-1" Payne-Hicksville Rd., Paulding Co. (30) 1.887 mi. Sect. "A" Aurora-Warren Rd., Portage Co.; grading (31) Sect. "R" Zanesville-Bresden Rd., Muskingum Co. (32) 3.44 mi. Sect. "A" Newark-Coshocton Rd., Muskingum Co.; concrete curbing (33) 3.9 mi. Sect. "F" Coshocton-New Comerstown Rd., Coshocton Co. (34) 1.74 mi. Sect. "G," Lima-Sandusky Rd., Hancock Co.; (35) 8.13 mi. Sect. "N-O-P-R2" Akron-Youngstown Rd., Mahoning Co.; (36) concrete widening 2.481 mi. Sect. "J-1" Mansfield-Shelby Rd., Richland Co.; (37) 0.189 mi. Sect. "J-2" Project 2, Mansfield-Shelby Rd., Richland Co.; (38) bridge over Sect. "N" Ohio River Rd., Lawrence Co., with (a) bituminous macadam, tar, (b) rein.-con., (c) rein.-con., oil, (d) rein.-con., tar, (e) rock asphalt (f) bituminous macadam, asphalt (g) brick, incl. brick (h) sheet asphalt (i) brick (j) waterbound gravel (k) brick with concrete curb, from Burris, Hannan & Jones, Hammersville, (1a) $30,-650; N. B. Putnam, Van Wert, (2c) $23,499 (2d) $23,926 (27f) $55,500; J. F. Stambargh, Ada, (2e) $33,050 (11b) $152,719; Seaborn Bros., Youngstown, (3f) $19,859 (28f) $40,763; A. K. Grandle, Leesburg, (4f) $51,349 (5f) $70,856; J. H. Strain, Hillsboro, (4e) $50,864 (5a) $71,106; E. A. Freshwater, Painesville, (6b) $133,000 (6g) $150,000 (7g) $37,800 (8g) $29,500; Stevens & Wood, Youngstown, (6h) $147,441; Weeks Constr. Co., Dayton, (9f) $67,801 (10f) $81,348 (38) $13,327; G. C. Hardin, Ironton, (9a) $70,287 (10a) $81,206 (38) $13,327; H. F. Ault & Son, Mt. Gilead, (11e) $172,815; W. D. Winchell Co., 337 Siebert St., Columbus, (11i) $209,622 (12j) $3,304 (31) $1,854; Keystone Constr. Co., Columbus, (13j) $27,120; J. W. Carey, Ada, (14a) $18,490 (15a) $15,396; W. M. Gray, Columbus, (15f) $15,839; O. L. Smith, Liepsic, (16e) $61,315 (17e) $50,545 (18e) $13,042; R. Doaust, Defiance, (16b) $72,521 (17b) $60,232 (18b) $15,045; G. W. Hadley, 204 Goldberg Bldg., Canton, (19g) $75,721; Reedy Bros., Warren, (20i) $138,203 (30a) $19,790 (30f) $19,790; F. George, 1657 Mahoning Ave., Youngstown, (20b) $119,-729 (21k) $57,345; G. A. Stein, Niles, (22b) $97,804; H. L. Sharp Co., Kinsman, (23f) $33,812; Mahoning Constr. Co., Warren, (25a) $35,047; B. C. Stringer Co., Rayland, (24f) $63,317; C. Graber, Owensville, (25a) $17,577 (25f) $17,577; W. M. Brode, New Comerstown, (33) $18,112; A. C. Pickleheimer, Cincinnati, (26a) $37,847 (26f) $36,119; W. H. and H. A. Souder, Fostoria, (34) $8,244; N. B. Putnam, Van Wert, (27a) $56,352; H. F. Dougherty, Steubenville, (28a) $41,979; Putnam & Sunday, Van Wert, (29a) $9,419 (29f) $9,419; J. F. Phillips, North Jackson, (35) $35,882; H. E. Johnson, Mansfield, (36) $34,144 (37) $2,887. Noted Aug. 24.

O., Cleveland—Paving, etc., East 131st St., from Gould & Maybach, 16311 Saranac Rd., $20,307; East 111th St., from Baldwin Bros., 4500 Euclid Ave., $9,244; West 17th St., Laflin and Ruby Aves., from Rochl Bros., West 25th St. and Clark Ave., $1,946, $3,846 and $16,787 respectively. Noted Aug. 2.

O., Warren — Improving Hoyt St., from Smith Eng. Co., Warren, stone curbing, brick paving, asphalt filler, 8 in. slag foundation. $28,323, with 6 in. concrete foundation $30,204. Engrs. est. $35,400.

Michigan — State Hy. Dept., Lansing, grading and surfacing 5.523 mi. State Trunk Line Rd. 43-4, Montcalm Co., 32,652 cu.yd. excav., 51,923 sq.yd. gravel from Helerman & Lewis, Rockford, O., $62,600.

Michigan — State Hy. Dept., Lansing, grading and surfacing 3.345 mi. State Trunk Line Rd. 43-3, Ionia Co., 65,112 cu. yd. excav., 31,675 sq.yd. gravel, from J. A. Swanson, Leroy, $57,171. Noted Aug. 9.

Michigan—State Hy. Dept., Lansing, grading and surfacing 5.977 mi. State Trunk Line Rd. 25-2, Sect. A, Luce Co., 56,036 sq. yd. waterbound macadam, from D. N. McLeod, Newberry, $71,590. Noted Aug. 9.

Mich., Detroit — From Detroit Asphalt Paving Co., 20 McGraw Bldg., grading and paving with 3 and 3½ sheet asphalt, Granville Pl., $6,172, Wilshire Ave. $49,051, Fairchild Ave. $32,290, Green Ave. $14,554, Holmur Ave. $22,230, Lakeview Ave. $31,233, Lakewood Ave. $34,189, Pitt St. $42,512, Post St. $53,587, Shoemaker Ave. $9,449, Webb Ave. $28,424.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, concrete paving 6.53 mi. **2-77-64 Woodford means (Route 2, Federal Aid Project 77, Sect. 64, Woodford Co.)** 6.92 mi. 2-77-65 Woodford, and 6.13 mi. 8-78-35 Tazewell-Woodford, from Keokuk Quarry & Constr. Co., Keokuk, Ia., $124,862, $133,794 and $122,238 respectively; 13.45 mi. Route 2, Federal Aid Project 77 Combination A, Woodford, from L. S. Kuhn, Bloomington, $259,000; 5.62 mi. **16-6 Coles means (Route 16, Sect. 6, Coles Co.)**, 4.7. 16-7 Coles and 10.32 mi. Route 16, Combination B, Coles, from Etchison & Patterson, Casey, $140,106, $45,872 and $184,800 respectively. Noted Aug. 9.

Calif., Fresno—Fresno Co., from Blanco & Taylor, Los Banos, 4.25 mi. recrowning and spreading 3 in. rock and 5.75 mi. widening, recrowning and spreading 3 in. rock, 16 ft. wide, on Trimmer Rd., 10,000 cu.yd. earthwork at $1.40 per cu.yd., 10,000 tons rock $2.80; from Thompson Bros., G and Divisadero St., spreading 12,000 tons rock 4 in. thick, on 8.75 mi. Tollhouse Rd., 16 ft., at $2.98 per ton; California Constr. Co., 58 2nd St., San Francisco, grading and paving 4 mi. Route 16, Sect. B, 6,116 cu.yd. earthwork at $1.10 per cu.yd., 334,940 sq.ft. 5 in. asphalt $0.197; from T. A. Hanrahan, Brix Bldg., grading and paving 6.7 mi. Route 2, Sect. A, 16,107 cu.yd. earthwork at $0.65, 547,-689 sq.ft. 4 in. asphalt $0.174, 4.4 mi. Route 5, Sect. B, 9,685 cu.yd. earthwork $1.20, 380,618 sq.ft. 4 in. asphalt $0.18, 2 mi. Route 27, Sect. A and 0.62 mi. Route 28, Sect. A, 3,857 cu.yd. earthwork $1.50, 219,892 sq.ft. 5 in. asphaltic concrete $0.215. Noted Aug. 9.

Calif., Glendale — Improving Sycamore Ave. from E. L. Fleming, 1007 Boynton Ave., 2,295 lin.ft grading at $3.80, 3,726 sq. ft. gutter at $0.21, 55,830 sq.ft. 5 in. oil macadam $0.13, 2,098 ft. 8 in. c.i. water pipe $6,650, etc. Noted Aug. 9.

Calif., Los Angeles—Improving Topango Canyon Ave., from Boulevard Land Co., 111 West 4th St., total for grading $53,768, 94,062 sq.ft. concrete at $0.35 per sq.ft., 14,936 ft. heavy curb $0.60, 438,947 sq.ft. concrete walks $0.20, 72,503 ft. light curb $0.46, etc.

Calif., San Francisco—Improving Liberty and Sanchez Sts., 56,897 sq.ft. concrete, 4,670 sq.ft. asphaltic concrete, 20,556 sq. ft. artificial stone walks, 3,267 lin.ft. concrete curbs, etc., from Municipal Constr. Co., 112 Lyon St., $23,443; Ulloa St., 2,778 lin.ft. concrete curb, 2,642 sq.ft. artificial stone walks, 79,573 sq.ft. asphaltic concrete, etc., from Fay Impvt. Co., Phelan Bldg., $28,210. Noted June 28.

Que., Montreal—Asphalt pavements from Sicily Asphaltum Paving Co., 60 St. Viateur St., 4,950 sq.yd. Bordeaux St., $20,953, 1,740 sq.yd. LaSalle St., $7,698, 2,601 sq. yd Lajeunesse St., $17,180, 1,300 sq.yd. Lalonde St., $5,288; concrete sidewalks from Rondou Corlier & Co., 3506 Christophe Colomb St., 7,400 sq.yd. Berri St., $27,534. Noted Aug. 2.

CONTRACTS AWARDED

Me., Portland—Dept. Pub. Wks., paving 1,780 ft. Forest Ave., 8,100 sq.yd. spl., redressed and 4,000 sq.yd. new granite block, 1,675 lin.ft. reset and 890 lin.ft. set granite curbing, to Forgione & Romano Co., South Portland, $50,746. Engrs. est. $65,100.

Massachusetts—State Hy. Dept., Boston, 15,056 ft. road, 18 ft., bituminous macadam, in Yarmouth, to W. A. Jones and H. L. Thomas, Yarmouth, $32,452; 8,700 ft., 18 ft., in Rockport, to Hamlin & Ballyntine, Rockport, $44,727; 9,330 ft., 20 ft., in Mashpee and Sandwich, to S. W. Lawrence, Woods Hole, Falmouth, $34,847; 900 ft., cement concrete, 30 ft., in Webster, to Hassam Paving Co., 17 Federal St., Worcester, $24,462; 22,280 ft. gravel road, 18 ft., in Worthington, to J. McCormick, East Providence, R. I., $165,912.

Mass., Boston — Paving Talbot Ave., in Dorchester, 18,000 sq.yd. recut granite block, to J. McCourt Co., 46 Wait St., Brookline (Boston P. O.), $53,695.

New York — State Hy. Comn., Albany, concrete paving 7.7 mi. Spencer-West Danbey Rd., 16 ft., to Cleveland & Sons Co., Adams St., Brockport, $296,453. Engrs. est. $329,147.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to Uvalde Asphalt Paving Co., 1 Bway., New York, paving Chester, Douglas and East 15th Sts., repaving Hancock St. and Meserole Ave., all above asphalt, also curbing and asphalt paving Westminster Rd., $6,939, $12,241, $3,981, $22,101, $3,804 and $6,858 respectively; to Castle Bros., Inc., John Pl. grading, curbing and flagging Kingshighway $95,311; to W. J. McHale Contg. Co., 1250 Jefferson St., Lenox Rd., $1,068. Noted Aug. 23.

N. Y., Lockport—Niagara Co., concrete paving 4.6 mi. Coomer Rd., 20 ft., in Newfans, to Stapell, Mumm & Beals Contg. Co., Church Rd., West Seneca, $89,504. Engrs. est. $92,085. Noted June 28.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro. Queens Subway Bldg., grading, curbing and laying sidewalks on Park Lane, to H E. Kordes Co., 2577 Cooper St. Brooklyn, $18,920; grading, curbing and laying sidewalks on Graham Ave., to Uvalde Asphalt Paving Co., 1 Bway., New York, $26,149; 45th St., to R. A. Hess, Inc., 14 Queens St., Astoria, $12,524; 87th and 89th Sts., to Kennedy & Smith, Inc., 93 Amity St., Flushing, $28,521 and $13,277 respectively; 127th St. to J. J. O'Brien, Jr., William St., Jamaica, $5,271; asphalt paving Jackson Ave., to Cleveland Trinidad Paving Co., Flushing, $21,418; 89th and 127th Sts to Cranford Co., 52 9th St, Brooklyn, $24,670 and $8,328 respectively; sheet asphalt repaving Sheridan Blvd. to Sicilian Asphalt Paving Co., 41 Park Row, New York, $29,950. Noted Aug. 23.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading, curbing and laying sidewalks on (1) West 171st St. (2) Muliner Ave. (3) Montgomery Pl. (4) Wythe Pl., repaving (5) Park Ave. W., (6) Fordham Rd; granite block (7) Moshoiu Parkway (8) River Ave., both sheet asphalt, to M. Del Balso, 660 East 221st St., (1) $5,990; L. F. Cavaluzo, 1538 Walton Ave., (2) $20,027 (4) $7,331; Burnside Contg. Co., 270 Burnside Ave. (3) $3,720; Astoria Contg. Co., 169 Hunter Ave., Long Island City (5) $86,869; P. J. Kearns Contg. Co., 2306 Creston Ave. (6) $36,861; Brusstar Constr. Co., Harlem River and 150th St., (7) $8,702; J. E. Gaffney, 438 East 91st St., (8) $35,280. Noted Aug. 23.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. 211 McKean means Route 211 McKean Co.)**, 15,563 ft. R. 211 McKean, to D. L. Dennis, Eldred, $139,729; 16,310 ft. R. 133, Delaware, to Highway Constr. Co., Phila., $122,749; 23,775 ft. R. 295 Erie, to C. H. Fry Constr. Co., 609 West 19th St., Erie, $176,826; 27,875 ft. R. 258 Erie, to

Streets and Roads (Continued)

Johnson, Drake & Piper, Slippery Rock, $208,189; 7,731 ft. R. 258 Washington Twp., Erie, to W. B. Constr. Co., 909 Cascade St., Erie, $61,968; 3749 ft. R. 124 York, to Warren Bros., 9 Cambridge St., Boston Mass., $73,379; 15,659 ft. R. 2, Northumberland and Montour, to T. B. Evans, Danville, $182,878; 14,953 ft. R. 95, McKean, to J. C. Devine Co., Alliance, O., $154,271; 13,977 ft. R. 196 Tioga, to A. W. Minaman, Canton, O., $119,092; 21,653 ft. R. 86 and 272, Erie, to Mayer Bros. Constr. Co., 132 Commerce Bldg., Erie, $151,595; 12,994 ft. R. 247, Fayette, to Garvey Weyenberg Constr. Co., 807 College Ave., Appleton, Wis., $68,610; Application 2431 Indiana, to A. R. Cooper, Idamar, $14,254; 7,880 ft. Application 1242 and 1249 Delaware, to Highway Constr. Co., Phila., $81,601. Noted Aug. 16.

Pa., Greensburg—Comrs. Westmoreland Co., 1 mi. Bolivar Rd., 16 ft., rein.-con., to Mt. Pleasant Constr. Co., Mt. Pleasant. Engrs. est. $30,000. Noted July 26.

Pa., Phila.—Asphalt pavements on Mt. Airy and Emlen Aves., and asphalt paving mixtures to Union Paving Co., 30th and Lancaster Aves., $24,232 and $27,325 respectively.

Maryland—State Hy. Dept., Baltimore, concrete paving 9,000 sq.yd. Contr. Ho-40, and 9,400 sq.yd. Contr. Ho-41, to M. J. Grove Lime Co., Lime Kiln, $31,308 and $35,149 respectively; 9,100 sq.yd. Contr. Ho-42 to Continental Contg. Co., Knickerbocker Bldg., Baltimore, $39,448, all foregoing Howard Co.; gravel surfacing road in Anne Arundel Co., Contr. AA-34, to Taylor & Trueman, Sollers, $24,109. Noted July 5 and Aug. 23.

Md., Baltimore—Paving Orleans St. from Wolfe St. to Patterson Park Ave., and Lexington St. from Eutaw to Pearl St., sheet asphalt, to Amer. Paving Co., Montebello, $53,859. Noted Aug. 23.

Md., Hagerstown—Repaving South Potomac St. between Antietam and Willow Lane, vitr. brick, to Bester & Long, Hagerstown, $61,625. Noted Aug. 23.

W. Va., Bluefield — To Mur-Mun Co., Knoxville, Tenn., resurfacing brick streets with asphalt Project 1, $42,132; bituminous concrete paving Projects 2 and 3, $53,426. Noted July 26.

W. Va., Clarksburg — Harrison Co. concrete paving 2 mi. Robinsons Run Rd., to Ferguson Bros., Shinnston, $63,840; 4,000 ft. road to E. J. Kersting, Clarksburg, $27,413.

W. Va., Huntington—Surfacing 3rd Ave. brick on sand and gravel, to Harrison & Dean, Old Walton Bldg., $31,932. Noted Aug. 9.

W. Va., Spencer — Roane Co. grading Huricane-Newton Rd., to Cooper, Piper & Co., Spencer, $101,530.

S. C., Seneca—For 13,000 sq.yd. concrete paving to Ballinger Paving Co., Greenville, $40,000.

Georgia—State Hy. Dept. at East Point, grading 2.014 mi. Federal Aid Project 320, Habersham Co., to J. S. Wright, Nicholson, $23,017; 14.06 mi. Federal Aid Project 334, and 6.124 mi. Federal Aid Project 337, both Ware Co., to Beauman & White, Manor, $97,972 and $62,665 respectively. Noted July 20.

Ala., Albany—Bitulithic paving 12 blocks Jackson and Johnson Sts., 6th, 7th and 8th Aves., 30 ft., to Independent Paving Co., Amer. Trust Bldg., Birmingham, $59,537. Engrs. est. $65,000.

Miss., Vicksburg—Warren Co. 5.115 mi. gravel road between here and Rolling Fork, Federal Aid Project 146, to Clark & Judkins, Vicksburg, $63,593. Noted July 19.

Louisiana—State Hy. Dept., Baton Rouge, grading and graveling 9.5 mi. Shreveport-Minden Highway, Calcasieu Parish, to Spenser Bros., Minden, $54,389, also gravel surfacing Sect. B, Project 350 and Sect. B, Project 43, Walker-Gonzales Rd., Calcasieu Co., to Banta & Mutersbaugh, Lake Charles, $50,650. Noted July 26.

La., Baton Rouge—Comn. Council at office Mayor, City Hall, paving 22,800 sq. yd. St. Louis and Government Sts., warrenite on 5 in. cement, to Southern Roads Co., Amer. Trust Bldg., Birmingham, Ala., $72,000. Noted July 26.

La., Napoleonville — Hard surfacing 8½ mi. Attakapas Canal Rd. in Dist. 1, Assumption Parish, to H. M. Weber, Thibodaux, $41,484.

La., Ruston—Grading and gravel surfacing 8.8 mi. from Oak Grove to Simsboro, also grading and hard surfacing 4.61 mi. Ruston Rd. from Choudrant to Sibley, to Alexandria Contg. Co., Ruston, $30,816 and $21,114 respectively.

Tennessee — Dept. Highways and Pub. Wks., Nashville, paving 8.6 mi. State Project 128, Jefferson Co., bituminous macadam on reconstructed base course limestone, to W. C. Anderson Constr. Co., Harriman, $112,852.

O., Akron—Bd. Control, resurfacing with asphalt Johnson St., to Columbus Asphalt Co., 304 Buckeye Bldg., $64,873. Noted Aug. 23.

O., Akron—Paving Rentschler Court and Power St., to T. E. McShaffrey Constr. Co., 173 South Forge St., $26,951, engrs. est. $27,500. Noted July 26.

O., Alliance — Widening and repaving Main St., asphalt on solid concrete, to C. S. Biery, South Union Ave., $39,776, engrs. est. $41,000; Arch St., asphalt on concrete, to J. Wilson, 62 East Summit St., $107,213, $110,000. Noted Aug. 2.

O., Barberton—Paving 1st St. from Park to Hopocan Aves., vitr. brick, to W. Bernard, Barberton, $26,186, engrs. est. $27,500.

O., Cincinnati — Hamilton Co. paving Sheed Rd., to W. S. Nugent, Mt. Hope Rd., Harrison, $101,641, engrs. est. $109,111; Benson Rd. to Byrnes Conway Co., 32 Bodman Bldg., Cincinnati, $26,465, $29,070. Noted Aug. 15 and 16.

O., Cleveland—Cuyahoga Co., paving 11,150 sq.yd. Sprague Rd. 1, concrete, to Lake Erie Constr. Co., Perry Payne Bldg., $41,322, engrs. est. $43,612; 16,250 cu.yd. Sprague Rd. 3, concrete, to Lane & Freeman, Newman-Stern Bldg., $65,943, $72,177. Noted Aug. 16.

O., Cleveland—Paving Thames Ave., 7,575 sq.yd. vitr. brick, 5,060 lin.ft. stone curbing, 5,060 lin.ft. 4 in. tile sewer, 4,610 cu. yd. earth excav., to Gould & Maybach, 16311 Saranac Rd., $50,395; Mt. Auburn Ave., vitr. brick, to Garland Bros., 5806 Franklin Ave., $61,632; East 112th St. and Corbus Ave., vitr. brick, to Fischer & Williams, Lorain Rd., $10,277. Noted Aug. 23.

O., Cleveland Heights (Warrensville, P. O.)—Asphalt paving Rushleigh and Pembrook Rds., to Spence Bros., 2028 Random Rd., Cleveland, $51,095; Winsford and Dresden Rds., to Rieley Bros., The Arcade, Cleveland, $34,567. Noted Aug. 16.

O., East Liverpool — Resurfacing West 5th St., 6,730 sq.yd. asphalt, 60 yd. brick pavement, etc., to Willite Paving & Surfacing Co., East Liverpool, $27,521. Engrs. est. $35,000.

O., Lakewood (Cleveland P. O.—Paving one street, to Ohio Eng. Co., Elyria, $33,914; 2 streets, to W. E. McHugh, West 73rd St. and Wheeling & Lake Erie R.R., Cleveland, $37,800; 2 streets to Highway Constr. Co., 903 Lorain Co., Bank Bldg., Elyria, $42,140. Noted Aug. 9.

Ind., New Albany—Curbing, laying sidewalks and concrete paving, etc., Charlestown Ave., to McCullough & Condra, New Albany, $4.94 per lin.ft. Engrs. est. $25,000. Noted Aug. 9.

Michigan — State Hy. Dept., Lansing, grading and surfacing 1.451 mi. State Trunk Line Rd. 47-8, and 21-10, Sect. A, Shiawassee Co., 6,030 cu.yd. excav., 16,564 sq.yd. concrete, to Willite Road Constr. Co., 711 Union Trust Bldg., Detroit, $32,037.

Michigan — State Hy. Dept., Lansing grading and surfacing 3.237 mi. Federal Aid Project 120, Ottawa Co., to J. R. Edelman, Muskegon, 12,018 cu.yd. excav., $0.75, 34.231 sq.yd concrete pavement, $1.64, total $69,713; grading 10.605 mi. Federal Aid Project 67, Sect. E. Washtenaw Co., to Pickett, Armintrout & Goodwin, Bros., Pullman, $47,027; 0.833 mi. State Trunk Line Rd. 47-10, Sect. B, Saginaw Co., to Taylor Constr. Co., Birmingham, $18,546; grading and concrete surfacing 1.324 mi. State Trunk Line Rd. 37-2, Sect. A, Barry Co. to A. E. Greene, 47 Union St. N. E., Grand Rapids, $21,292. Noted Aug. 16.

Michigan — State Hy. Dept., Lansing, grading and surfacing 4.83 mi. Federal Aid Project 119, Ottawa Co., to H. A. Hoxie, 1426 4th St., Grand Rapids. 24,520 sq.yd. 8 in. special rein.-con. pavement, $1.67, 26,342 sq.yd. 8 in. rein.-con. pavement, $1.51, total $87,018. Noted Aug. 23.

Ill., Maywood — Grading and concrete paving 2,800 ft. South 3rd St., to Smith & Brown, 128 North La Salle St., Chicago, approximately $30,000.

Wis., Eau Claire—Curbing and concrete paving 13,383 sq.yd. Roosevelt and McKinley Aves., Eau Claire and State Sts., to A. Larson & Co., 418½ South Barstow St., $31,450.

Wis., North Milwaukee—Concrete paving 16,798 sq.yd. 29th, 34th, 38th, 40th and 41st Sts., and 3 alleys, to Kroening Constr. Co., 39th Ave. and Mitchell St. $63,393. Noted Aug. 23.

Ia., Denison—Crawford Co. grading 7.288 mi. Denison-Vail Rd., to E. J. Wilson, Omaha, Neb., 98,488 cu.yd. excav., $0.235 per cu.yd., 15,100 cu.yd. channel change $0.35, etc.; to H. Reimers, Rock Rapids, 1,300 lin.ft. 8 in. and 1,350 lin.ft. 6 in. tile, $0.18 and $0.135 respectively.

Ia., Des Moines — Paving 43,324 sq.yd. Keosauqua Way, vitr. brick on 6 in. concrete, to Wright Constr. Co., 211 Flynn Bldg., $3.52 per sq.yd.

Ia., Knoxville—Marion Co. grading 12.27 mi. road northeast and southeast of Pella, to T. Mickle, Newton, 111,614 cu.yd. excav., $32,591; Paulson & James, Thornton, 10,730 lin.ft. 6-12 in. tile, etc., $1,861. Noted July 26.

Ia., Spencer—Clay Co. grading Primary Rds. 256 and 259, 26 ft., to Glep & Claussen, Spencer, 4,308 cu.yd. excav., $1,206; to J. G. McCarty, Sioux City, 59,483 cu.yd. excav., $19,575; to Scothorn & Hartzell, Early, 41,255 cu.yd. excav., $15,058; to F. Miller, Glidden, 66,300 lin.ft. 6 in., 3,700 lin.ft. 8 in. and 3,490 lin.ft. 12 in. tile, etc., $10,665.

Ia., Wapello—Louisa Co. grading 9.95 mi. road southeast and north of Grand View, 26 ft., to Littig Constr. Co., 1st Natl. Bank Bldg., Davenport, 89,887 cu.yd. excav., 528 lin.ft. 15 and 18 in. culvert pipe, $26,861; to V. Hendrix, Letts, installing 8,440 ft. 6-12 in. tile, $1,722. Noted July 26.

Minn., St. Paul—Ramsey Co., grading and gravel surfacing 3,103 cu.yd. Frost Ave., to C. F. Sculley Equipment Co., 212 Dakota Bldg., $25,573; grading and gravel surfacing, etc., 6,301 cu.yd. South Robert St., to D. W. Moore, 894 Edmund St., $76,163. Noted July 19 and 26.

Minn., White Bear (White Bear Lake P. O.)—Ramsey Co., (St. Paul), grading and paving, etc., 26,000 sq.yd. North Birch Lake Blvd. between Centerville and Bald Eagle Aves., concrete, Class B (limestone), here, to Hanlon & Okes, 338 Lumber Exchange, Minneapolis, $73,000. Noted July 26.

Kan., Wichita—See Sewers.

Kan., Yates Center—For 6,972 sq.yds. vertical fibre brick paving, to J. K. Shinn, Independence. $28,447.

Mo., St. Louis—Paving Kingsbury and Garrison Sts., asphalt, to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., $22,620 and $30,836 respectively; Lucas Ave., asphalt, to Bridges Street Paving Co., Arcade Bldg., $76,249; Loughborough Ave., Willite asphalt, and Channing Ave., asphalt, to Central Paving Co., Fullerton Bldg., $29,930 and $13,148 respectively; Palm St., bitulithic, to Granite Bituminous Paving Co., Railway Exch. Bldg., $9,991; Quincy Ave., rock asphalt, to J. E. Perkinson, 3237 Carter St., $22,984. Noted Aug. 22.

Mo., St. Louis — Bd. Pub. Serv., City Hall, grading, surfacing and installing water pipe along private right of way from Hog Hollow Rd. to new waterworks at Howards Bend, to Frazier-Davis Constr. Co., Arcade Bldg., $46,332. Noted Aug. 16.

Ark., Walnut Ridge—To C. L. Hager, Walnut Ridge, grading and paving in Impvt. Dist. 2, 15,000 sq.yds. Topeka top, concrete base $3.05 per sq.yd., 5,450 cu. yds. excav. $0.60, 42,000 sq.yds. gravel $0.58, etc.

Tex., Dallas — Curbing, guttering and warrenite bitulithic paving Haskell St. from State to Cole Sts., to Central Bitulithic Co., Praetorian Bldg., $47,212. Engrs. est. $47,000.

Tex., Nacogdoches—For 17,000-18,000 sq. yd. brick paving with asphalt filler, on various streets, to Panhandle Paving Co., Lubbock, $65,000.

Okla., Barnsdall—Grading and paving 5 blocks 4th and 7th Sts., 26 ft., to M. R. Ammerman, 246 North Market St., Wichita, Kan., 5,300 sq.yd vertical fibre brick at $3.68 per sq.yd., 2,200 cu.yd. earth excav. $0.85, 3,200 lin.ft. curbing and 3,200 lin.ft gutter $1, etc., total $28,166. Noted Aug. 16.

Arizona—State Hy. Dept., Phoenix, grading, gravel surfacing, etc., 10 mi. Phoenix-Yuma Highway, Federal Aid Project 64-A, to Casion-Caldwell Constr. Co., 39,511 cu. yd. excav., $0.24, 17,896 cu.yd. borrow, $0.21, 23,250 cu.yd. gravel, $0.42, etc., total incl. state furnished cement, $77,373. Noted July 26.

Wash., Montesano—Grays Harbor Co., improving 6.4 mi. Porter-Oakville Highway, 7,500 cu.yd. gravel, to J. L. Quinn, Satsop, $29,138, engrs. est. $30,000.

Wash., Seattle — Bd. Pub. Wks. paving 21st Ave. N. E. et al., 10,520 sq.yd. 6 in. concrete, 750 ft. asphaltic concrete curb, 6,300 ft. concrete curb, etc., to J. L. Smith, Pioneer Bldg., $34,998. Noted Aug. 23.

Wash., Seattle—Bd. Pub. Wks., paving 4th Ave. S. and Spokane St., 7,500 sq.yd. brick block, replace 400 sq.yd. 7 in. con-

Streets and Roads (Continued)

crete, 500 cu.yd. subgrade, to C. L. Creelman, 1079 25th St. N., $42,323. Noted Aug. 23.

California—State Hy. Comn., Sacramento, grading and gravel surfacing 4.5 2 mi. highway between 5 mi. east of Gilroy and San Felipe, Santa Clara Co., to J. P. Holland, 540 Brannan St., San Francisco, $83,104. Engrs. est. $76,755. Noted Aug. 23.

Calif., Corte Madera—Grading, curbing, guttering, laying walks and warrenite paving various streets, to Warren Constr. Co., Bacon Bldg., Oakland, $55,000.

Calif., San Diego—Common Council, improving Imperial Ave. through Encanto Dist., to G. R. Daley, 4430 Boundary St., 180,832 sq.ft. 1½ in. topeka on 3 in. bituminous at $0.17 per sq.ft., etc., total $36,538. Noted Aug. 9.

Calif., San Jose—Grading, concrete curbing, guttering, walks and paving with 1½ in. warrenite bitulithic on 3 in. bituminous portions Palm, Martha and St. John Sts., to R. H. Crummey, 121 Pearl St., Oakland, to exceed $25,000.

Calif., Yreka—Siskiyou Co. grading Forest Mountain House Rd., to Siskiyou Constr. Co., Yreka, 36,000 cu.yd. excav. at $1.125 per cu.yd., etc. Noted Aug. 23.

Ont., Ford—Concrete paving 10,500 sq. yd. Pellette Rd., to Cadwell Sand & Gravel Co., 228 Sandwich St. W., Windsor, engrs. est. $30,000.

Ont., Ottawa—Carleton Co., 1 mi. bituminous macadam pavement, 20 ft., in Goulbourn Twp., to H. A. McDonald, 36 Bank St., Engrs. est. $40,000. Noted July 19.

Ont., Sandwich — To Cadwell Sand & Gravel Co., 228 Sandwich St., Windsor, concrete paving Fanchette St., $4,341; to S. P. West, Sandwich, Detroit St., $6,513, Rosedale Ave., $9,866, Peter St. $4,785, King St., $14,921, Alexander Ave., $6,897, Bloomfield Ave., $5,271.

Industrial Works

PROPOSED WORK

Conn., Middletown—Wilcox, Crittenden & Co., 3 South Main St., plans 3 story and basement 60 x 60 ft., brick and steel factory, plain foundation. To exceed $40,000. Private plans.

Conn., New London—S. Sulman, 55 Summer St., having plans prepared by F. De Grange, 28 Ocean Ave., 1 story, 60x90 ft. brick and steel garage, plain foundation, Church St. $40,000.

N. Y., Jamestown—Standard Table Co., 92 Steele St., plans repairing and rebuilding 3 story, 40 x 100 ft. plant recently destroyed by fire. $60,000.

N. Y., New York—I. Schwab, c/o C. Schaefer, Jr., archt. and engr., 394 East 150th St., having plans prepared 1 story, 100 x 100 ft., rein.-con., brick and steel garage, West 158th St., $50,000.

N. Y., New York—M. Wertheim c/o Meisner & Uffner, archts., 501 East Tremont Ave., having plans prepared 2 story, 100 x 145 ft., rein.-con., brick and steel garage, Bradhurst Ave. $100,000.

Pa., Johnstown—Penn. Pub. Service Co., 535 Vine St., having plans prepared 2 story and basement, 56 x 106 ft., brick, steel and tile garage, Find St. $70,000. C. J. Lane, c/o owners, engrs.

Pa., Munhall—Mervis Garage, Munhall, having plans prepared by A. G. Wickerham, 517 McClure Ave., Homestead, 2 story and basement, 25 x 110 ft., brick and steel addition to garage, 414 East 8th Ave., $40,000.

Pa., Phila.—Ford Motor Co., Highland Park, Detroit, having plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, Mich., 1 story, 400 x 920 ft., brick and steel plant, plain foundation, 63rd St., here.

Pa., Phila.—R. W. Hartnett Co., 1010 Race St., had plans prepared for 3 story and basement, 49 x 93 ft., brick factory, 1025-1027 Cherry St. Private plans.

N. C., Durham—Morven Cotton Mills Co. plans to enlarge plant and purchase new machinery. $100,000.

N. C., Mooresville—Cascade Mills, Inc., having plans prepared by Lockwood, Greene Co., archts. and engrs., Piedmont Bldg., Charlotte, addition to cotton mill. To exceed $50,000.

N. C., Norwood—Norwood Mfg. Co. plans to enlarge plant. $50,000.

Fla., Orlando—See "Waterworks."

Ky., Georgetown—City plans 1 story electric light plant. $40,000. Engineer and architect not selected.

Ky., Paducah—Magie Packing Co., having plans prepared by M. P. Burt, Falls Bldg., Memphis, Tenn., 2 story, 60 x 135 ft., meat packing plant. $75,000.

O., Cleveland — Ormiston Bros., 2708 Franklin Ave., had plans prepared 2 story, 65 x 65 ft. brick and steel factory, 2487 West 25th St. $40,000. Private plans.

O., Steubenville — Standard Oil Co. of Ohio, c/o J. H. Watterson, East Ohio Gas Bldg., Cleveland, plans 1 story brick and steel garage and warehouse, here. $40,000. Private plans.

Ind., Muncie—Muncie Malleable Fdry. Co., Highland Ave., plans 1 story, 70 x 100 ft. addition to foundry. $40,000.

Ind., South Bend — Studebaker Corp., Main and Bronson Sts., had plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, Mich., 4 story, 80 x 130 ft. addition to kiln building, brick and rein.-con., flat slab construction, plain foundation.

Mich., Iron River—Peninsular Power Co., 102 North Carroll St., Madison, Wis., having plans prepared by Mead & Seastone, Journal Bldg., Madison, Wis., 1 story, 44 x 60 ft., rein.-con., brick and steel power plant, plain foundation, here. $250,000. Noted Aug. 9.

Ill., Chicago—S. Shobel, 802 Windsor Ave., plans 2 story, 80 x 190 ft., auto sales and garage, rein.-con., brick and steel, 4628-46 Clifton Ave., $80,000. D. D. Meredith, 4750 Sheridan Rd., archt.

Wis., Medford—O. H. Maurer plans 2 story and basement, 60 x 100 ft., rein.-con. and brick factory, plain foundation. $50,000. Engineer and architect not selected.

Wis., Menominee—Bd. of Normal Regents, Capitol, Madison, having plans prepared 1 story, rein.-con., brick and steel power plant and switchboard, plain foundation, here. $74,000. J. C. White, c/o State Power Plant, Madison, engr. Noted Aug. 2.

Wis., Richland Center—L. Trager plans 1 story, 60 x 90 ft. cold storage plant, brick and concrete, plain foundation. $40,000. Engineer and architect not selected.

Minn., St. Paul — Service Oil Co., 322 Hamm Bldg., had plans prepared 3 story rein.-con. and brick warehouse, Chicago, Milwaukee & St. Paul Ry. right of way. $150,000.

Mo., Hannibal — Hamilton-Brown Shoe Co., 12th and Washington Sts., St. Louis, having preliminary plans prepared by W. A. Thun, Granite Bldg., St. Louis, 3 story and basement, 60 x 225 ft., brick factory, Main St. here. $150,000.

Tex., Celina—See "Miscellaneous."

Tex., Edgewood—See "Waterworks."

Tex., Sweetwater—Sweetwater Milling Co. plans to rebuild grain mill and warehouse, recently destroyed by fire. $60,000. Engineer and architect not announced.

Okla., Enid—City plans ice plant. $75,000.

Calif., Beverly Hills—Holsum Bakery, 1802 Hooper St., Los Angeles, plans baking plant. To exceed $100,000.

Calif., Blythe—Southern Sierras Power Co., Pacific Finance Bldg., Los Angeles, plans power plant on Mill Creek, here. To exceed $250,000.

Calif., Los Angeles — Volker Furniture Co. having plans prepared by A. C. Martin, Higgins Bldg., 4 story and basement, 90 x 250 ft., rein.-con. factory, East 7th St.

Calif., San Francisco—Amer. Laundry Co., 3338 17th St., having plans prepared by Shea & Shea, Chronicle Bldg., laundry, fireproof. $100,000.

Ont., Brampton—Brampton Tire & Rubber Co., plans 2 or 3 story and basement, rein.-con., brick and steel factory, plain foundation, $150,000. Engineer and architect not appointed.

Ont., Hamilton—Hamilton Hydro Electric Comn., King St. E., having plans prepared by B. H. Prack, 1 Main St. E., 1 story, brick and steel substation. $50,000.

Ont., Sarnia—Sarnia Oil & Gas Co., Sarnia, having plans prepared for plant. $100,000. E. Wilson, Sarnia, engr.

Ont., Woodstock—W. Wishnack & Son, 3 Mill St., Paterson, N. J., plans plant, here. $50,000.

BIDS DESIRED

Pa., Lewistown—Lewistown Motor Co., South Main St., taking bids 3 story and basement, 88 x 180 ft. cement block and steel garage, South Main St. $100,000. Address D. and B. Wollner, c/o owner.

Wis., Green Bay — Sept. 1, by Foeler, Schober & Stephenson, archts., Nicollet Bldg., 3 and 2 story, brick and concrete, boiler house, laundry and hospital, plain foundation, for St. Josephs Orphanage, Route 5. $150,000.

Wis., Milwaukee — W. J. Jens, branch mgr., International Harvester Co., 217 Oregon St., taking bids and opens same about Sept. 3, 4 story and basement, 100 x 150 ft., brick and concrete warehouse and assembling plant plain and wood pile foundation. Owners Architectural Dept., 606 South Michigan Ave., Chicago, archts. Noted Aug. 2.

Wis., Milwaukee—F. Luber, archt., c/o Milwaukee Electric Ry. & Light Co. (owner), 2nd and Syracuse Sts., taking bids 2 story, 52 x 70 ft., brick and concrete boiler house, plain and woodpile foundation, Edison Ave. $65,000.

Wis., Wausauka—Polomis Bros. Co., c/o F. Polomis, Wausauka, taking bids 1 story, 50x90 ft., rein.-con., brick and steel factory, plain foundation. $40,000. Private plans.

Calif., Los Angeles—S. C. Levi, archt., Douglass Bldg., receiving bids 2 story, packing plant, rein.-con., Willow St., for J. Morrell Co., 823 Traction St. $100,000.

Calif., San Francisco—Morrow & Garren, archts., Chronicle Bldg., receiving bids for steel work for 1 story, foundry, steel, concrete and corrugated iron, Spear and Folsom Sts., for Great Western Smelting & Refining Co., Spear and Folsom Sts. $70,000. Bids for balance of work will be taken soon. Noted Aug. 9.

CONTRACTS AWARDED

Mass., Boston — Basil & Hutchins, Tremont and Camden Sts., 1 story and basement, 59x184 ft. concrete garage, wood pile foundation, Columbus Ave., to R. Gauvreau, 71 Marston St., Medford, $50,000.

Conn., Waterbury—Dexter Bakery Co., 1092 North Main St., 3 story, 60 x 100 ft., brick and steel addition to bakery, plain foundation, North Main St., to Tracy Bros. Co., Watertown Rd. Archts. est. $80,000. Noted Aug. 2.

N. Y., Elmira—Amer. La France Co., 2½ story rein.-con. addition to plant, Southside, to F. H. Johnston, 306 West Church St., $75,000.

Pa., Glassmere — Allegheny Plate Glass Co., c/o Ford Motor Co., Highland Park, Detroit, general contract 2 story and basement, 105 x 123 ft. factory, to Cuthbert Bros., Bessemer Bldg., Pittsburgh. Engrs. est. $150,000.

Pa., Phila. — Budd Mfg. Co., 25th and Hunting Park Aves., 6 story 100 x 325 ft. factory with 1 story, 75 x 325 ft. annex, Hunting Park and Wissahickon Aves., to Wark & Co., 219 South Broad St., $600,000. Noted Aug. 9.

Pa., Phila.—H. A. Dreer Inc., 711 Chestnut St., 8 story and basement, 60 x 100 ft., rein.-con. and brick warehouse and store, 1304-1312 Spring Garden St., to J. N. Gill Contg. Co., Otis Bldg., $175,000.

N. C., Greensboro—Greensboro Warehouse & Storage Co., additions to warehouses, brick and concrete, between 2nd and 3rd Sts., to Southeastern Constr. Co., Trust Bldg., Charlotte. $60,000.

N. C., Henderson—Harriet Cotton Mills, 2 story, 100 x 104 ft. extension to Mill No. 3, to Fiske-Carter Constr. Co., Greenville, S. C.

S. C., Greenville—C. O. Allen, 3 story, 60 x 116 ft., garage and show room, rein.-con. and brick, East Washington St., to Potter & Shackelford Inc., Greenville.

La., New Orleans—Louisiana Oxygen Co., 649 South Front St., 1 and 2 story plant, Eves, Dupre and White Sts., to C. A. Bayley & Co., Interstate Bank Bldg., $45,000.

Ky., Benton — Dark Tobacco Growers Assn., Owensboro, 1 story, brick warehouse, here, to J. Cole, Paducah. Archts. est. $40,000.

O., Cleveland—Amer. Stove Co., 4415 Perkins Ave., 1 story, 72 x 132 ft., brick and steel plant, Hough Ave., to Forest City Steel & Iron Co., 1500 West 110th St. Archts. est. $50,000. Noted Aug. 16.

O., Cleveland—Independent Towel Supply Co., 1822 Central Ave., 1 story, 35 x 80 ft boiler house, brick, steel and concrete, to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $50,000. Noted Aug. 16.

O., Cleveland—Rehmar Fruit Products Co., 6200 Woodland Ave., 2 story and basement, 52 x 66 ft. factory and commercial, brick and timber, to Baker & Cohen, 2283 East 97th St. Archts. est. $40,000.

O., Cleveland—Standard Oil Co., East Ohio Gas Bldg., 1 story, 24 x 24 x 58 x 60 ft. garage and pump house, brick, steel and timber, Berea Rd., to W. Dunbar Co., 8201 Cedar Ave., engrs. est. $40,000; 1

Ind. Work (Continued)

story, 28 x 80 ft. and 32 x 92 ft., brick and steel garage, pump house, stable and wagon house, Babbitt Rd., to J. C. Shafer Co., Erie Bldg. Engrs. est. $50,000.

Mich., Detroit—Berry Bros. Inc. 211 Lieb St., 4 story and basement, 50 x 80 ft. rein.-con. and brick addition to factory, plain foundation, to F. H David Co., 1860 Penobscot Bldg. Noted July 26.

Mich., Ramsey—Ogeloy, Norton & Co., 1 story, 75 x 250 ft. rein.-con., brick and steel power house, plain foundation, to The Foundation Co., 120 Liberty St., New York City. Archts. est. $600,000.

Wis., Madison—Chicago & Northwestern Ry. Co., c/o B. R. Kulp, 2015 South Blair St, 1 story, 50 x 104 ft., brick, rein.-con. and steel power house, plain foundation, to C. W. Gindele Co., 4217 Belle Plaine Ave., Chicago.

Wis., Milwaukee — Shapiro & Weinberg, 31st St. and Auer Ave., 2 story, 45 x 100 ft., brick and timber warehouse, plain foundation, to M. Wachofsky, 539 4th St., Milwaukee. Archts. est. $40,000.

Minn., Minneapolis—O. R. Emruch, 2423 Bloomington Ave., 2 story and basement, 28 x 95 x 123 ft. bakery, garage, etc., brick, concrete and tile, 2601-07 Bloomington Ave., to N. Bruce, 412 McKnight Bldg., $40,000.

Tex., Dallas—Dallas Power & Light Co., Interurban Bldg., will build power plant, concrete and brick, North Dallas and Tuttle Sts., by day labor. $50,000. J. Oran, c/o owner, engr.

Calif., Oakland—H. L. McCoy, c/o A. W. Smith, archt., 1010 Bway., 1 story and mezzanine, concrete garage, 8th Ave. and East 12th St., to G. A. Scott, 685 23rd St., $40,000.

Calif., Sacramento — Ochsner Estate, Ochsner Bldg., 1 story, brick garage and salesroom, 11th and K Sts., to W. Murcell, Ochsner Bldg., $40,000. Reo Motor Car Co., 1309 K St., lessee. Noted July 12.

Calif., San Francisco—Bekins Fireproof Storage Co., 13th and Mission Sts., 7 story and basement, rein.con. warehouse, Geary and Emerson Sts., to Clinton Constr. Co., 923 Folsom St., cost plus percentage basis. Noted Aug. 9.

Calif., San Francisco — Hotel Owners Laundry Assn., 722 York St., 1 story and mezzanine, 90 x 160 ft., laundry, rein.-con., Howard and Falmouth Sts., to Pennell & Chisholm, 180 Jessie St., $47,675. Noted Aug. 23.

Calif., San Francisco—Nucoa Butter Co., Bryant & Mariposa Sts., general contract, 2 and 3 story, factory, rein.-con., Mariposa St. near Bryant St., to J. A. Bryant, 180 Jessie St., cost plus percentage basis. Noted June 28.

Calif., San Francisco — Pacific Gas & Electric Co., 445 Sutter St., steel for 1 story, 70 x 100 ft. steam plant, rein.-con. and steel, Stevenson St. near 6th St., to Brode Iron Wks., 37 Hawthorne St. Noted Aug. 23.

Calif., San Francisco—C. E. Phillips Co., 907 Bryant St., 2 story, concrete warehouse, Brannan and Gilbert Sts., to Coast Constr. Co., 918 Crocker Bldg., $40,000. Noted Mar. 15.

Calif., San Francisco—S. Schell, 180 Jessie St., will build 3 story, brick and steel factory, 11th and Natoma Sts., by day labor. $55,000. Private plans.

Calif., San Jose—Santa Clara Co., rein.-con. power house on county hospital grounds, to D. J. Bryon, 1249 Alameda St., $18,587; mechanical equipment to J. E. O'Mara, 218 Clara St., San Francisco, $78,-166 (omitting fire apparatus. Noted May 31.

Ont., Ford—Ford Motor Co. of Canada, 112 x 148 ft. rein.-con., brick and steel power plant, plain foundation to S. E. Dinsmore Co., Giles Bldg., Windsor, $400,-000, also 2 and 4 story, rein.-con., brick and steel byproducts building and coal bunker, plain foundation, to J. V. Gray Constr. Co., Confederation Life Bldg., Toronto. Archts. est. $200,000. Noted July 26 and Aug. 24.

Ont., Timmins — Hollinger Consolidated Gold Mines Ltd., two 12,500 hp. 60 ft. head vertical turbines in connection with hydro-electric power plant at Island Portage on Abitibi River, to Dominion Eng. Co. Ltd., Lachine, Que. Noted Aug. 2.

Buildings

PROPOSED WORK

Mass., Brighton (Boston P. O.)—Schools —Schoolhouse Dept., Boston, having plans prepared by F. I. Cooper Corp., 172 Tremont St., Boston, 4 story, brick, concrete and stone addition to Winship School, wood pile foundation, here, $225,000; having plans prepared by O'Connell & Shaw, 134 Newbury St., Boston, probably 5 story, brick, concrete and stone, wood pile foundation, here, $1,200,000. T. P. Glynn, Boston, chn.

Mass., Dalton — High School — Schoolhouse Dept., Boston, having plans prepared by Newhall & Blevins, 9 Park St., Boston, probably 4 story, brick, concrete and stone, wood pile foundation, here. $240,000. T. P. Glynn, Boston, chn.

Conn., Hartford—Church—Church of St. Ann rejected bids 50 x 130 ft., brick and terra cotta, plain foundation, Park and Putnam Sts. $165,000. Will readvertise. H. F. Ludorff, 122 Main St., New Britain, archt. Noted June 21.

Conn., Torrington—Business—G. D. Lyford, 43 Main St., plans 3 story, 115 x 130 ft., brick, plain foundation, East Main St. To exceed $150,000. Engineer and architect not selected.

N. Y., Buffalo—Store and Office—Tri-State Realty Corp., Cleveland, O., plans remodeling Hotel Iroquois, 5 story, brick, into store and office, Main St., here. $500,000. A. H. Bramson, pres.

N. Y., New York City—School—Bd. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, 5 story, 200x 216 ft., brick and stone, Boynton Ave. and 172nd St. $2,300,000.

N. Y., Rochester — Club — Elks' Home Buildings Assn., Clinton St., having plans prepared by J. F. Jackson, 137 East 45th St., New York City, 2 story, brick and steel addition, $325,000. R. Decker, pres. F. Frey, E & B Bldg., engr.

N. J., Collingswood — Exchange — Bell Telephone Co., 19th and Arch Sts., Phila., having plans prepared by J. T. Windrim, Commonwealth Bldg., Phila., 3 story and basement, 50 x 115 ft., brick, steel and stone, Haddon Ave., here. $165,000.

Pa., Phila.—Office, etc.—Fleischman Co., 1223 Race St., having plans prepared by L. L. Tieman, 693-701 Washington St., New York City, 2 story and basement, 86 x 154 ft., concrete, brick and steel office and garage, 20th and Venango Sts., here. $150,000.

Md., Baltimore — Store — Bernheimer-Leader Stores Co., Howard and Lexington Sts., having plans prepared by Smith & May, Calvert Bldg., 8 story, 122 x 156 ft., concrete and brick, concrete pile foundation, Lexington and Howard Sts. $1,500,-000. Noted Aug. 2.

W. Va., Bluefield—Municipal—C. R. Ridley, city mgr., receiving plans and sketches until Oct. 9, for 3 story and basement. $175,000.

W. Va., Huntington—High School—Bd. Educ. having plans prepared by R. M. Yates, Jr., 416 11th St., Lincoln High School, 2 story and basement, 100 x 130 ft., brick, tile, stone and steel, 25th St. and 10th Ave. $150,000.

N. C., Birmingham — Office — Southern R.R. Co., 4th and Sycamore Sts., Cincinnati, O., having plans prepared by G. H. Godley, Southern Railroad Bldg., Cincinnati, O., 10 story, here. $150,000.

N. C., Charlotte—Office—Southern R.R. Co., 4th and Sycamore Sts., Cincinnati, O., takes bids early in Sept., 3 story, rein.-con., brick and stone, here. G. H. Godley, Southern Railroad Bldg., Cincinnati, O., archt. Noted July 12.

N. C., High Point—Dormitories—Methodist Protestant College plans 2 dormitories, on campus, $75,000 each, also plans to install central heating plant, $28,000.

N. C., Raleigh—Library—State College having plans prepared by H. Upjohn, Grand Central Terminal Bldg., New York City, library, on campus. $200,000. E. C. Brooks, pres.

N. C., Wilson—Courthouse and Jail—Wilson Co. takes bids about Nov. 1, 3 story, 145 x 145 ft., Indiana limestone, granite and marble. $350,000. F. A. Bishop, Petersburg, Va., archt. Noted Aug. 16.

Ga., Columbus — High School — Plans election early in November to vote on $450,000 bonds for modern high school.

Fla., Frostproof — Hotel — Fort Clinch Hotel Co., having plans prepared by M. L. Elliott, Citizens Bank Bldg., Tampa, 3 story, 50 room, rein.-con., brick and steel. $150,-000.

Fla., Jacksonville—Hotel—N. L. Bedford and associates, United States Trust Bldg., having plans prepared by Greely & Benjamin, Bisbee Bldg., for hotel. $500,000.

La., New Orleans—Sunday School—C. A. Ramsey, chn. Building Com. of First Baptist Church, St. Charles and Delachaise Sts., having plans prepared by F. J. McDonnell, Hibernia Bank Bldg., and soon takes bids for 5 story, 47 x 150 ft., brick annex to church used as Sunday School. $150,000 to $175,000.

Ky., Hazard—Hotel—Combs Hotel Co. plans 4 story, 80 x 120 ft., marble and tile. $300,000.

Ky., Louisville—Medical—University of Louisville, 111 West Chestnut St., plans medical school. $500,000. Engineer and architect not selected.

O., Akron—Club House—Ohio Athletic Club plans 10 story club house. $400,000. W. H. Curley, secy. of Commercial Savings & Loan Co., South Main St., secy.

O., Ashtabula—Office—Premier Mortgage Co., Johnson Blk., plans 6 story, 72 x 220 ft., Center St. $160,000. P. N. Berner, pres.

O., Cincinnati—School—Bd. Educ., 511 West Court St., plans 2 story, rein.-con. and brick, Waverly St. $180,000. A. L. Ficheimer, 325 East 4th St., archt.

O., Cleveland—Apartment—A. L. and C. Freeman, 10829 Earle Ave., had plans prepared by L. R. Walker and J. L. Mayer 1900 Euclid Ave., 3 story and basement, 58 x 132 ft., brick, 11420 Euclid Ave. $150,000.

O., Cleveland—Apartment—M. Helper, 1900 Euclid Ave., having preliminary plans prepared by W. S. Ferguson Co., 1900 Euclid Ave., 4 story, 70 x 100 ft., brick, 1858 East 20th St. $150,000.

O., Cleveland—Apartment—J. Nozik, 996 Linn Dr., had plans prepared by M. Weis, 617 Union Bldg., 3 story and basement, 87 x 132 ft., brick and timber, 1924 East 75th St. $200,000.

O., Cleveland—Bank and Office—United Banking & Saving Co. having preliminary plans prepared by Walker & Weeks, 1900 Euclid Ave., 6 story, brick, steel and concrete, West 26th St. and Lorain Ave. $350,000. A. H. Serbig, 2000 West 25th St., pres.

O., New Philadelphia — Theatre, etc. — New Philadelphia Amusement Co. having plans prepared by C. J. Marr, New Philadelphia, and takes bids about Oct. 1, 4 story, 66 x 264 ft., brick, concrete and steel, West High St. $250,000.

O., Willoughby—Club—Olympic Country Club Co., 420 Haima Bldg., Cleveland, plans 3 story, brick, steel and concrete, Lake Shore Blvd., here. $300,000. Wright & Hohl, 4614 Prospect Ave., Cleveland, archts.

Mich., Detroit—Apartment—B. S. Fineman, 416 Book Bldg., having plans prepared by M. H. Finkel, 1333 Book Bldg., 4 story and basement, 5 wings about 50 x 70 ft., 4 courts, brick, steel and stone, plain foundation, Epworth Blvd. and Vancouver Ave.

Mich., Detroit—Office—Conductors Protective Assurance Co., 2222 1st Natl. Bank Bldg., having plans prepared by A. E. Harley, 2631 Woodward Ave., 6 story and basement, 57 x 108 ft., rein.-con. and brick, plain foundation, 14th and Michigan Aves. $150,000.

Mich., Detroit—Sales and Show Room—Packard Motor Co., 574 East Woodbridge Ave., having plans prepared by A. Kahn, 1000 Marquette Bldg., 2 story, 25 ft. high, 104 x 144 ft., rein.-con., brick and steel, plain foundation, Jefferson Ave. $150,000.

Mich., Detroit—School—Liggett School, 155 Stimson Ave., had plans prepared by A. Kahn, 1000 Marquette Bldg., 2 story and basement, 55 x 182 ft. rein.-con., brick and steel, plain foundation, Burns Ave. $175,000.

Mich., Flint — Administration — Durant Motor Co., having plans prepared by A. Kahn, 1000 Marquette Bldg., 3 story and basement, 48 x 217 ft., rein.-con., brick and steel, plain foundation, $150,000.

Mich., Lansing—Office—United Cigar Co. 44 West 18th St., New York City, having plans prepared by W. S. Holmes & Co., Tussing Bldg., 4 story, 75 x 135 ft., South Washington St., here. $200,000.

Mich., Ypsilanti—School—Bd. Educ. having plans prepared by W. S. Holmes & Co., Tussing Bldg., Lansing, 2 story and basement, brick. $175,000.

Ill., Chicago—Apartment—P. F. Olsen, archt., 720 Cass St., preparing plans 3 story and basement, 110 x 163 ft., rein.-con., brick and steel, University Ave. $225,000. Owners name withheld.

Ill., Chicago — Hotel — Oldefest & Williams, archts., preparing plans 605 North Michigan Ave., 3 story and basement, 50 x 150 ft., rein.-con., brick and steel, Bryn Mawr & Winthrop Aves., $225,000. Owners name withheld.

Ill., Chicago—School—St. Cyril's Catholic Parish, 6411 Dante Ave., plans 1 and 2 story, 120 x 135 ft., rein.-con., brick and steel, 64th St. and Dante Ave., $150,000.

Buildings (Continued)
Z. T. Davis, 400 North Michigan Ave., archt.

Wis., Ashland—College—Northland College having preliminary plans prepared by Ceas, Shepherd & Ceas, 445 Milwaukee St., Milwaukee, brick and concrete, incl. dormitory, gymnasium, library, administration bldg., etc. $300,000. J. D. Brownell, pres.

Wis., Kenosha—High School—Bd. Educ. had plans prepared by J. D. Chubb, 109 North Dearborn St., Chicago, and takes bids about Oct. 1. 3 story and basement, 248 x 250 ft., brick, tile and concrete. $1,000,000. E. F. Powers, secy.

Wis., Milwaukee—Apartment—Wisconsin Building & Investment Co., c/o E. G. Schroeder Co., archts., 405 Bway., plans 3 story and basement, 60 x 145 ft., brick and concrete, plain foundation, 31st and Wells Sts. $150,000.

Wis., Wausau—Hotel—Bellis Hotel Co., 3rd and Scott Sts., having preliminary plans prepared by A. C. Eschweiler, 141 Wisconsin St., 3 story and basement, 52 x 120 ft., brick and concrete addition, plain foundation. $150,000. Noted May 31.

Ia., Iowa City—Fraternity House—S. A. E. Fraternity, having plans prepared by H. E. Hunter, 503 Security Bldg., Cedar Rapids, brick and stone, here. $150,000.

Ia., Ottumwa—Young Men's Christian Assn., having plans prepared by Croft & Boerner, 1006 Marquette Ave., Minneapolis, Minn., 4 story and basement, rein.-con. and brick. $150,000.

Minn., Benson—School—Bd. Educ. plans 2 or 3 story and basement, rein.-con., brick and tile. $150,000. E. H. A. Danetz, clk. Engineer and architect not selected.

Minn., Minneapolis — Church — Hope Lutheran Church, c/o L. E. Rosholt, 5108 Dupont Ave. S., having plans prepared by Sund & Dunham, 512 Essex Bldg., brick church. $150,000.

Minn., Minneapolis — Church — Central Lutheran Church, c/o O. L. Loberg, 2020 Elliot Ave., plans 110 x 130 ft., stone, 4th Ave. S. and Grant St. $170,000. Engineer and architect not announced.

Kan., Ft. Scott — Church — First Presbyterian Church, 3rd and Crawford Sts., having revised plans prepared by C. O. Brostrom, 621 Reliance Bldg., Kansas City, Mo., and soon takes bids 2 story and basement, native stone. $150,000. Noted March 1.

Kan., Leavenworth—City Hall—Sept. 6, to vote on $200,000 bonds for 2 or 3 story, 90 x 125 ft. city hall. Noted Aug. 23.

Kan., Salina—Schools—Bd. Educ. plans election to vote on $225,000 bonds to complete Theodore Roosevelt Junior High School and erect 2 grade schools.

Ark., Hot Springs — Hospital — Baptist Natl. Hospital, Inc., plans 5 story hospital, $2,000,000. W. Cooksey, 722 Garland Ave., Hot Springs Natl. Park, vice pres. and genl. mgr.

Tex., Lubbock—College—Texas Technical College, Ft. Worth, plans college, here. $850,000. Engineer and architect not selected.

Tex., Lubbock—High School—Bd. Educ. plans 3 story and basement, brick and concrete. $200,000. Engineer and architect not announced. S. Sanders, city engr.

Tex., Marshall—Hotel—J. Kieffer having plans prepared and takes bids after Jan. 1, 4 story and basement, 85 x 150 ft., rein.-con., brick and stone, plain foundation. $150,000. Engineer and architect not named.

Tex., San Antonio—Bank—San Antonio Natl. Bank, 213 West Commerce St., and San Antonio Loan & Trust Co., 215 West Commerce St., receiving tentative plans from architects for 6 story, 70 x 100 ft., rein.-con., brick, stone and steel, 215 West Commerce St. $400,000.

Okla., Marble City—Dormitories, etc.—Dwight Mission soon takes bids 2 and 3 story, two dormitories and superintendents residence, brick and concrete. $150,000. C. W. Dawson, 201 Merchants Natl. Bank Bldg., Ft. Smith, Ark. archt.

California — Hospitals — State Hospital Comm., Sacramento, having plans prepared by R. G. McDougall, Forum Bldg., Sacramento, additional buildings at 6 state hospitals. $700,000.

Calif., Los Angeles—Apartment—Central Investment Co., 5006 South Vermont St., having plans prepared by Schultze & Weaver, Pacific Mutual Bldg., 12 story, concrete, brick and steel, Grand Ave.

Calif., Los Angeles—Apartment—Graystone Apartment Co., having plans prepared by Curlett & Beelman, Union Bank Bldg., 14 story, 140 x 200 ft., rein.-con., Sycamore Ave. $1,500,000.

Calif., Los Angeles—Apartment—C. G. Guthrie, 1326 Brand Blvd., plans 6 story and basement, probably rein.-con., Central Ave. and Bway. St. To exceed $250,000. Engineer and architect not selected.

Calif., Los Angeles—Apartment—D. M. Merris, c/o H. G. Johnston, archt., 301 Pacific Finance Bldg., had plans prepared 13 story and basement, rein.-con., Wilshire and Catalina Sts.

Calif., Los Angeles—Hotel and Apartment—H. A. Pierce, c/o Ransford-Goble Co., archts., 1643 Highland Ave., having plans prepared 4 story and basement, concrete and brick, Orange St. $150,000.

Calif., Los Angeles—Store and Loft—Wayside Press, c/o Norenberg & Johnson, archts., Los Angeles Ry. Bldg., having plans prepared 4 story and basement, 150 x 150 ft., rein.-con., 9th and San Pedro Sts.

Calif., Marysville—Memorial—Yuba Co. plans to appropriate $150,000 or more for soldiers memorial.

Calif., Oakland — Apartment — Colt Investment Co., 306 14th St., having plans prepared by L. H. Ford, 306 14th St., 3 story and basement, brick, 15th and Madison Sts. $170,000.

Calif., Oakland—Auto Sales—Schirmer-Bugbee Co., archts., Thayer Bldg., preparing plans 3 story and basement, rein.-con., 12th and Oak Sts. $175,000. Owners name withheld.

Calif., Oakland—College—St. Marys College, Bway. and Hawthorne Sts., had preliminary plans prepared by J. J. Donovan, Tapscott Bldg., group of fireproof buildings, Foothill Blvd. $2,000,000.

Calif., Oakland—Store—Jackson Furniture Co., 14th and Clay Sts., having plans prepared by H. H. Meyers, Kohl Bldg., San Francisco, 4 story and basement, rein.-con., 13th and Clay Sts. $150,000.

Calif., Sacramento—Store and Loft—H. H. and W. S. Hart, 2199 3rd Ave., plans 3 story and basement, brick, K St. between 11th and 12th Sts. $250,000. Engineer and architect not selected.

Calif., Santa Monica — Schools — Voted $600,000 bonds for schools. Noted June 7.

Calif., Santa Rosa—Schools—Santa Rosa High and Santa Rosa Grammer School Dists. take bids about Sept. 1, rein.-con. and brick high school group and rein.-con. grammer school. To exceed $400,000. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted Mar. 29.

Calif., San Francisco—Apartment—J. J. Angeli, 875 Bush St., had plans prepared by C. H. Barrett, 342 Grant Ave., 6 story and basement, concrete, Bush St. near Mason St. $150,000.

Calif., San Francisco—Apartment—C. Johnson, 36 Steiner St., having preliminary plans prepared by H. C. Baumann and E. Jose, 251 Kearny St., 6 story and basement, rein.-con., Jones and Sacramento Sts. $200,000.

Calif., San Rafael—Schools—City having plans prepared by Shea & Shea, Chronicle Bldg., San Francisco, 2 story, rein.-con. or brick high school, also gymnasium and auditorium additions to present schools. To exceed $350,000.

Calif., Santa Ana—Store and Office—M. E. Durfee, archt., Kraemer Bldg., Anaheim, preparing plans about 10 story, fireproof, 4th and Bush Sts. Owner's name withheld.

Que., Notre Dame De Grace—Hospital—Homeopathic Hospital of Montreal, 44 McGill College Ave., Montreal, plans hospital here. $250,000.

Ont., Ottawa—Bank—Bank of Nova Scotia, 39 King St., W., Toronto, having plans prepared by J. M. Lyle, 230 Bloor St. W., Toronto, 1 story and basement, 60 x 100 ft. rein.-con., brick, steel and stone, plain foundation, here. $150,000.

Ont., Toronto — School — Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St., 2 story and basement, 8 room, rein.-con., brick and steel, plain foundation, Turnberry Ave. $150,000.

Ont., Woodstock—School—J. H. Grenfell, archt., 421 Dundas St., preparing plans and soon takes bids for 2 story and basement, 8 room, rein.-con., brick and steel, plain foundation, for Bd. Educ. $150,000.

BIDS DESIRED

N. Y., Buffalo—School—Sept. 5, by Bd. Educ., 1401 Telephone Bldg., 2 story and basement, 175 x 200 ft., rein.-con. and brick addition to P. S. 42, Grant St. To exceed $200,000. Associated Buffalo Architects, 232 Delaware Ave., archts.

N. Y., New York — Apartment — J. H. Taylor Constr. Co., c/o Delano & Aldrich, archts. and engrs., 126 East 38th St., will build 14 story, 100 x 133 ft., brick, steel and stone, Park Ave. and 86th St. Work will be done by separate contracts under supervision of architects.

N. J., Atlantic City—Hotel—Sept. 23, by F. B. Off, Hotel Brighton, 5 story and basement, rein.-con., brick, steel, granite, limestone, terra cotta and granite addition to Hotel Brighton, $400,000-$500,000. L. Titus, Hotel Strand, archt.

N. J., New Brunswick—Recitation—Sept. 6, by R. G. Lewis, Dept. Agencies and Institutions, Trenton, 3 story, 58x180 ft., rein.-con., brick and steel, at State Agricultural College for Women, here, $250,000. A. B. Mills, State Office Bldg., Trenton, archt. Noted Aug. 23.

Pa., Phila. — Apartment — Hawthorn Realty Co., 1619 Chestnut St., will build 4 story and basement, 115 x 176 ft., brick, steel and stone, 42nd and Walnut Sts. $500,000. Work will be done by separate contracts. C. E. Oelschlager, 1621 Walnut St., archt.

Pa., Phila.—Clubhouse—Tyrians of Phila., 3320 North Broad St., taking bids 50 x 200 ft., brick, steel and stone, 3320 North Broad St. G. J. Reich, 5126 North 19th St., engr.

Ga., Atlanta—High School—Sept. 7, by Bd. Educ., c/o W. P. Price, purch. agt., City Hall, 3 story, rein.-con., brick and steel, rock foundation. Edwards and Sayward, Chamber Commerce Bldg., archts. Lockwood, Green & Co., Forsyth Bldg., engrs. Noted May 31.

Ala., Birmingham—Sanitarium—Oct. 10, by B. Price, archt., Jefferson Co. Bank Bldg., steel, Salter Rd. and Shades Creek, for Jefferson Co. $150,000-$200,000.

Ky., Louisville—Infirmary—Sept. 10, by D. X. Murphy & Bros., archts. 714 Louisville Trust Bldg. 6 story Preston St. and Eastern Parkway, for St. Josephs Infirmary, 4th St. $1,500,000 Noted May 31.

O., Athens—Schools—Sept 12, by Bd. Educ., two 2 story, brick, steel and concrete, $185,000. F. R. Burgess, pres. T. J. Porter, Keith Bldg., Cleveland, archt.

O., Cincinnati—Exchange—Sept. 4, by H. Hake, archt., Telephone Bldg., 2 story, 55 x 109 ft., rein.-con. and brick, plain foundation, Harrison and Epworth Sts., known as Western Hills Exchange, for Cincinnati & Suburban Bell Telephone Co., Telephone Bldg. $300,000. Noted Aug. 23.

O., Cleveland—Commercial and Apartments—L. B. Cahn, 10615 Grantwood Ave., taking bids 3 story and basement, 51 x 133 ft., brick and timber, Euclid and Stanwood Aves. $150,000. A. F. Janowitz, 811 Prospect Ave., archt.

O., Oakwood (Dayton P. O.)—School—Sept. 20, by Bd. Educ., 3 story, rein.-con., brick and stone, plain foundation, Far Hills Ave. $450,000. A. E. Clagett, supt. schools.

Mich., Detroit—School—Sept. 10, by Bd. Educ., 1354 Bway. Ave., 2 story and part basement, 83 x 244 ft. and 46 x 101 ft., rein.-con., brick and steel addition, plain foundation, Cortland Ave. $300,000. Malcomson & Higginbotham, Industrial Bank Bldg., archts.

Ill., Chicago—Hotel—S. Olson c/o C. W. Westerlind, archt., 179 West Washington St., receiving bids 3 story and basement, 75 x 125 ft., rein.-con., brick and steel, 723 Belmont Ave., $200,000.

Wis., Gratiot — Church — St. Josephs Catholic Congregation c/o A. Garrity, pastor, taking bids 2 story, 75 x 110 ft., brick, rein.-con. and steel, plain foundation. $150,000. Private plans.

Wis., Green Bay—Hospital—See "Industrial Works."

Wis., Milwaukee—Apartment—Sept. 4, by Leenhouts & Guthrie, archts., 424 Jefferson St., 4 story, 90 x 107 ft., brick, tile and concrete, plain foundation, Prospect Ave. $200,000. Owner's name withheld.

Wis., Milwaukee—Apartment—Rosman & Wierdsma, archts., 424 Jefferson St., taking bids 3 story and basement, 47 x 136 ft., rein.-con. and brick, plain foundation, 16th St., for Ranco Corp., c/o architects.

Wis., Milwaukee—Apartment—G. Zag l & Bro., archts., 144 Oneida St., taking bids 3 story, 100 x 103 ft., brick, tile and concrete plain foundation, Folsom Pl., for Retep Realty Co., c/o architect. $150,000.

Wis., Milwaukee—Home—Kirchhoff & Rose, archts., 210 Sycamore St., taking bids 3 story and basement, 100 x 103 ft., brick and concrete, plain foundation, 640 Cass St., for St. Johns Home for Aged Women. $150,000.

Wis., Niagara — Hotel — Kimberly & Clark Co., Neenah, taking bids 3 story and basement, 65 x 110 ft., tile and concrete, plain foundation, $150,000. Private plans.

Minn., Albert Lea—Lodge—Sept. 3, by I. O. O. F. Lodge, c/o C. J. Dudley, founda-

Buildings (Continued)

tion and 1st floor slab for 3 or 4 story and basement, 83 x 146 ft., rein.-con., brick and tile, Newton and Williams Sts. Bids on superstructure will be taken later. $150,000. W. L. Alban, 347 Endicott Bldg., St. Paul, archt.

Minn., Winona—School, etc.—Sept. 11, by State Bd. Control, Capitol, St. Paul, 3 story and basement, 200 x 210 ft. main building with power plant in basement, rein.-con., brick and tile, State Teachers College, here. $550,000. C. H. Johnston, 715 Capitol Bank Bldg., St. Paul, archt. Noted Sept. 21.

Kan., Wichita — Club — E. Forsblom, archt., Sedgwick Bldg., taking bids and opens same about Sept. 1, 6 story and basement, 140 x 150 ft., rein.-con., brick and stone, for B. P. O. E., Elk Hall, 115½ North Topeka St., $150,000. H. A. Noble, Reliance Bldg., Kansas City, Mo., engr.

Mo., St Louis—School—Sept. 5, by Bd. Educ., 911 Locust St., 3 story, rein.-con., brick and stone, Walnut St. $255,000. R. M. Milligan, Bd. Educ. Bldg., archt. Noted July 19.

Ark., Brinkley—Church—Southern Presbyterian Church, c/o A. H. Milwer, chn., taking informal bids 2 story and basement, brick veneer, plain foundation. $150,000. Private plans.

Calif., Berkeley—Office and Store—F. M. Young of Berkeley Building Co., Colusa and Solano Sts., receiving bids 6 story and basement, rein.-con., University Ave. near Shattuck Ave., for F. Koerber, 2647 Ashby St. $150,000. Engineer's and architect's name withheld. Noted July 26.

Calif., Fullerton — Auditorium — City Council receiving bids 2 story, brick, steel and concrete. To exceed $150,000. W. H. Austin, 1st Natl. Bank Bldg, Long Beach, archt.

Calif., Los Angeles—High School—Sept. 7, by Bd. Educ., 2 story and basement, 141 x 190 ft., auditorium and domestic science building rein.-con., Highland Ave. and Sunset Blvd., for Hollywood High School. $275,000. N. F. Marsh, Bway. Central Bldg., archt.

Calif., Los Angeles—School—Sept. 14, by Bd. Educ., 3 story, 100 x 265 ft., rein.-con., 16th and Hill Sts. $400,000. Noerenberg & Johnson, Los Angeles Ry. Bldg., archts. Noted July 12.

Calif., San Francisco—Store and Club—Meyer & Johnson, archts., 742 Market St., receiving bids steel for 13 story, Post St. between Powel and Mason Sts., for Elks Club.

BIDS RECEIVED

Conn., Hartford — High School — High School Com., 3 story, brick and steel, plain foundation, Maple Ave., bids on (a) total contract with Wheeler system of ventilating (b) total contract with re-circulating system (c) without gymnasium (d) without gymnasium and kitchen (e) separate bid on swimming pool, from H. Wales Lines Co., 134 State St., Meriden. (a) $1,587,000 (b) $1,619,792 (c) $1,371,536 (d) $1,347,242 (e) $56,448. Archts. est. $1,500,000. Noted July 19.

N. Y., New York—Police Station—R. E. Enright, police comr., 240 Centre St., Aug. 21, new 42nd Precinct Police Station House and garage, Wadsworth Ave. and West 182nd St., from S. Guidera, 672 East 223rd St., with concrete, $198,867, and without concrete, $195,867. Noted Aug. 16.

Pa., Harrisburg—Office—B. H. Boyd, secy. Dept. Property & Supplies, Capitol Bldg., general contract completing office building, from C. W. Strayer, Green and Forster Sts., $629,667. Noted Aug. 2.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., 3 story and part basement, 110 x 215 ft. rein.-con., brick and steel, plain foundation, Cameron Ave., from F. N. Cooper, 6370 Gratiot Ave., $546,346. Noted Aug. 2.

Calif., Los Angeles—High School—City, for Fairfax High School, brick and rein.-con., general contract from North-Pacific Constr. Co., Detwiler Bldg., $445,900; plumbing, from W. W. Brooks, 820 West 48th St., $35,600; heating, from J. Hokum, 4212 South Moneta St., $59,422. Noted Aug. 2.

Que., Montreal—City Hall—For constructing concrete floors, roof, etc., of new city hall from J. A. Durocher, 91 Chambly St. $229,400. Noted July 5.

CONTRACTS AWARDED

N. Y., Buffalo—Store and Loft—Holling Press, 498 Washington St., 10 story, 43 x 125 ft., rein.-con., Washington St., to Boehm Bros., Inc., 101 Norfolk Ave., Buffalo, to exceed $250,000.

N. Y., New York—Hotel—L. Kemper, archt. and engr., 7529 Cass St., Detroit, Mich., brick, steel and stone hotel, Times Sq. Sect., to Lynch Constr. Co., 1 Pershing Sq. Archts. est. $1,500,000. Owner's name withheld.

N. Y., New York City—Office—Masro Realty Co., c/o Springsteen & Goldhammer, archts and engrs., 32 Union Sq., will build brick, steel and stone, 36 West 47th St., by day labor. Archts. est. $750,000.

Pa., Phila.—Store—See "Industrial Wks."

Pa., Pittsburgh—Hotel Apartment—Bellefield Co., Farmers Bank Bldg., extending present 2 wings and altering Schenley Hotel, 10 story and basement, Forbes St., Bigelow Blvd. and 5th Ave., to Mellon-Stuart Co., Oliver Bldg. Archts. est. $500,000.

Tenn., Dyersburg — Bank and Office — Citizens & First Natl. Bank, general contract 8 story, brick, concrete and steel, to Thomas & Sons Constr. Co., Memphis, $220,000. Noted July 12.

Tenn., Knoxville—Institute—L. S. Pope, dir. institutions, Nashville, school, 2 dormitories, heating plant, etc., for Deaf and Dumb Institute, here, to P. L. Nicholson Constr. Co., Knoxville, $242,000. Noted July 19.

Tenn., Nashville—Office—Nashville, Chattanooga & St. Louis R.R., 1000 Bway., 8 story, rein.-con., terra cotta and brick, 10th St. and Bway., to Southern Ferro-Concrete Co., Trust Co. of Georgia Bldg., Atlanta, Ga. Archts. est. $20,000. Noted Aug. 23.

O., Canton — Office and Storeroom — Methodist Episcopal Church, 3 story, brick, steel and concrete, Cleveland Ave. and 2nd St. S.W., to R. G. Witters, Witters Bldg., Cleveland Ave. N.W., $156,500.

O., Cleveland — Commercial — Phoenix Mortgage Co., c/o D. Lawrence, pres., Natl. City Bldg., 2 story and basement, 135 x 282 ft., brick, steel and timber, East 17th St. and Euclid Ave., to Piscopo Constr. Co., 2233 Edgehill Rd. Archts. est. $150,000. Noted July 19.

O., Cleveland Heights (Warrensville P. O.)—Church, etc.—Fairmount Blvd. Presbyterian Church, 1, 2 and 3 story, brick, steel and concrete, Fairmount Blvd., to Craig-Curtiss Co., 4614 Prospect Ave., Cleveland. Archts. est. $150,000. Noted May 10.

O., East Cleveland (Cleveland, P. O.)—High School—Ursaline Academy of the Sacred Heart, 3 story, 75 x 135 ft., brick and steel, Euclid and Belmore Aves., to Hebring Co., 1832 West 54th St., Cleveland. Archts. est. $150,000.

O., Lima—Schools—Bd. Educ., two 2 story and part basement, 40 x 120 ft., brick, steel and concrete, known as Roosevelt and Jefferson Schools, to J. Baldauf, Marion, $148,432. Noted Aug. 9.

Mich., Lansing—Temple—Masonic Temple Assn., 213 South Capitol St., 7 story, 100 x 165 ft., South Capitol St., to Reniger Constr. Co., 336½ East Michigan Ave., $577,000. Noted July 5.

Ill., Chicago—Office—Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., 6 story, 167 x 568 ft., addition, 25th and Southport Sts. to R. C. Wieboldt Co., 1534 West Van Buren St., for Chicago, Milwaukee & St. Paul R.R. Co., 80 East Jackson Blvd., $350,000.

Ill., Chicago—Office and Sales—H. Defrees, c/o Rapp & Rapp, archts., 190 North State St., 6 story, 100 x 142 ft., rein.-con., brick and steel, 401-409 Rush St., to H. Erickson Co., 139 North Clark St. Archts. est. $500,000.

Wis., Milwaukee — Temple — Milwaukee Elks Club, c/o W. F. Eichfeld, secy. building comrs., 208 City Bank Bldg., 8 story and basement, 110 x 145 ft., concrete, brick and metal lumber, plain foundation, Mason and Marshall Sts., to Raulf Co., 428 Grand Ave. Archts. est. $1,500,000. Noted July 5.

Ia., Burlington—Municipal—City, general contract 3 story, and basement, rein.-con., brick, tile and stone, to H. B. Nelson, 45 McCullough Bldg., Davenport, $121,234. Noted Aug. 9.

Ia., Cedar Rapids—Court House and Jail—Linn Co., general contract 3 story, rein.-con., brick, tile and stone, here, to Madsen & Peterson, 646 Builders Exch., Minneapolis, Minn., about $505,000. Noted Aug. 2.

Kan., Coffeyville — Auditorium — City, general contract 3 story and basement, 115 x 172 ft., rein.-con., brick and tile, to Universal Constr. Co., Coffeyville, $143,800. Noted July 28.

Kan., Ft. Scott—Church—First Presbyterian Church, 3rd and Crawford Sts., general contract, 2 story, brick and stone, to J. H. Reddick, 619 North 20th St., Ft. Smith, Ark., $117,495. Noted Aug. 30.

Ark., Little Rock — Hospital — Missouri Pacific Hospital Assn., Railway Exchange Bldg., St. Louis, Mo., 4 story and basement, rein.-con. and brick, concrete foundation, here, to J. Stewart Co., Boatmens Bank Bldg., St. Louis, Mo. Archts. est. $600,000.

Ark., Little Rock — Hospital — Trinity Hospital, c/o M. Ogden, 20th and Main Sts., will build 3 story and basement, rein.-con. and brick, plain foundation, Main St., by day labor. $200,000. Private plans.

Calif., Centerville—School—Washington Union High School Dist., general contract 2 story, concrete, to E. T. Leiter & Sons, 3601 West St., Oakland, $183,387. Noted Aug. 23.

Calif., Ensenada—Club—Ensenada Beach Club, 2 story, 150 x 350 ft., hollow tile, to Winters Constr. Co., Railway Bldg., Los Angeles.

Calif., Long Beach — Apartment — W. Bradford, et al., rein.-con., Ocean Ave., to Ransford-Goble Co., 1643 Highland Ave., Los Angeles, about $1,000,000.

Calif., Long Beach—Hotel-Apartment—Bolivar Holding Co., c/o Curlett & Beelman, archts., Union Bank Bldg., Los Angeles, 14 story and basement, rein.-con., East Ocean Ave., here, to Scofield Eng. Co., Pacific Finance Bldg., Los Angeles, $1,000,000.

Calif., Los Angeles—Apartment—L. V. Mayell, 5 story and basement, brick and concrete, 9th and Lake Sts., to A. T. Hesse, Hollingsworth Bldg., $350,000.

Calif., Los Angeles—Apartment—E. A. Wayt, 13 story, 83 x 100 ft., rein.-con., 6th St. and Carondelet Ave., to Richardson Building and Eng. Co., 631 South Berendo St., $700,000. Noted May 3.

Calif., Los Angeles — Office — Eighth & Olive Holding Co., 13 story and basement, 55 x 168 ft., rein.-con., 8th and Olive Sts., to W. Simpson Constr. Co., Bank of Italy Bldg., $600,000. Noted Aug. 9.

Calif., Los Angeles—Office—Taft Realty Co., 5751 Hollywood Blvd., 12 story and basement, 120 x 137 ft., rein.-con., Hollywood Blvd. and Vine St., to Edwards, Wildey & Dixon, Black Bldg., $850,000. Noted Aug. 9.

Calif., Madera—Bank and Office—First Natl. Bank, Yosemite Ave. and D St., 2 story and basement, granite, Yosemite Ave., to Brown & Stafford, Madera, $150,000.

Ont., Haileybury—Court House—Dept. Pub. Wks., Parliament Bldgs., Toronto, general contract 3 story and basement, rein.-con., brick, steel and stone, plain foundation, here, to Dickie Constr. Co., Ryrie Bldg., Toronto. Archts. est. $150,000.

Ont., Hamilton — Hospital — Hamilton General Hospital, 3 story and basement, rein.-con., brick and steel, plain foundation, general contract to W. H. Cooper, Clyde Bldg., $98,702; marble and tile to Kent, Garvin & Co. Ltd., 20 Catherine St. N., $24,731. Noted Mar. 15.

Ont., Windsor—School—Separate School Bd., general contract 2 story and basement, 8 room, rein.-con., brick and steel, plain foundation, to Muxlow & Gale, 1342 Howard Ave., $134,000. Noted Aug. 9.

Federal Government Work

PROPOSED WORK

Me., Bar Harbor—Garage, etc.—Spec. 4900—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans garage and repairs to administration building, at Radio Station, here.

Fla., Pensacola—Distribution System, etc. —Spec. 4715—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans steam distribution and heating systems, at Naval Air Station, here.

Mich., Harbor Beach—Stone—U. S. Engineer, 337 Federal Bldg., Detroit, received no bids Aug. 16, furnishing and placing 10,000 tons stone on breakwater, here. Will readvertise. Noted Aug. 2.

Calif., San Pedro—Removal—Spec. 4903 —Bureau Yards & Docks, Navy Dept., Wash., D. C., plans removal and relocation of Russell Hall, here.

BIDS DESIRED

Mass., Chelsea—Reroofing—Spec. 4886—Sept. 6, by Bureau Yards & Docks, Navy Dept., Wash., D. C., reroofing buildings, at Naval Hospital, here. Former bids rejected. Noted Aug. 23.

R. I., Providence—Dredging—Sept. 25, at office U. S. Engineer, dredging in Pawcatuck River, Rhode Island and Connecticut; adv. E. N.-R. Aug. 30.

D. C., Wash.—Laboratory—Sept. 19, at Dept. of Interior, for pathological laboratory at Freedmen's Hospital. F. M. Goodwin, asst. secy.

Federal Government Work (Continued)

D. C., Wash.—Repairing Roof—Spec. 4902—Sept. 6, by Bureau Yards & Docks, Navy Dept., Wash., D. C., repairing roof of Naval Hospital. Noted Aug. 23.

Ill., Rock Island—Lumber—Sept. 5, at office U. S. Engineer, furnishing about 250,000 ft. Douglas fir lumber.

Ill., Rock Island—Lumber—Sept. 7, at office U. S. Engineer, furnishing 280,947 ft. Douglas fir lumber.

Wis., Milwaukee—Breakwater—Sept. 28, at office U. S. Engineer, constructing breakwater in Harbor, here; adv. E. N.-R. Aug. 30.

Mo., Excelsior Springs—Hospital—Spec. 4887—Sept. 6, by Bureau Yards & Docks, Navy Dept., Wash., D. C., for subsistence and ward buildings, at U. S. Veterans Hospital, here. G. A. McKay, acting ch.; adv. E. N.-R. Aug. 30. Noted July 26.

Tex., Galveston—Dredging—Sept. 25, at office U. S. Engineer, dredging in Trinity River; adv. E. N.-R. Aug. 30.

Arizona — Road — Sept. 11, by E. S. Wheeler, dist. engr., U. S. Bureau Pub. Rds., Dept. Agriculture, 242 West Washington St., Phoenix, constructing 15.583 mi. Prescott-White Spar Forest Highway, Prescott National Forest, Yavapai Co., 423,404 cu.yd. excav., etc.

Calif., San Diego — Roads and Walks—Spec. 4901—Sept. 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., roads and walks at Marine Barracks, Naval Operating Base, here. Noted Aug. 23.

BIDS RECEIVED

Tenn., Memphis—Sub Post Office—Treas. Dept., Wash., D. C., sub post office, here, from Regan Constr. Co., 2 East Lexington Ave., Baltimore, Md., $122,900. Noted July 26.

New Mexico—Road—E. S. Wheeler, dist. engr., U. S. Bureau Pub. Rds., Dept. Agriculture, 242 West Washington St., Phoenix, constructing or improving 11.09 mi. Glenwood-Reserve Sect. 4, Forest Highway, Datil National Forest, Catron Co., here, from Cotey, Black & Co., Clifton, Ariz. Noted July 26.

CONTRACTS AWARDED

Me., Saco — Post Office — Treas. Dept., Wash., D. C., constructing U. S. Post Office, here, to Sloan Dickinson Corp., 136 Liberty St., New York City, $45,421 (14 months). Noted May 10.

N. Y., Chelsea—Water Supply—Treas. Dept., Wash., D. C., water supply system, at U. S. Veterans Hospital, here, to Noland-Clifford Co., 330 28th St., Newport News, Va., $53,655. Noted Aug. 23.

Pa., Phila.—Remodeling—Treas. Dept., Wash., D. C., remodeling Post Office and Court House, here, to Pearce Bros., Inc., 220 West 42nd St., New York City, $7,350 (50 days).

Md., Annapolis—Water Softening Plant—Spec. 4836—Bureau Yards & Docks, Navy Dept., Wash., D. C., water softening plant, at Naval Academy, here, to Permutit Co., 440 4th Ave., New York City, $13,815 (150 days). Noted Aug. 23.

Md., Baltimore—Dredging—U. S. Engineer, dredging channels and in harbor, to Sanford & Brooks Co., 24 Commerce St., $66,609; Arundel Corp., Pier 2, Pratt St., $118,994. Noted Aug. 23.

Ky., Louisville—Pump—U. S. Engineer, P. O. Box 72, one vertical centrifugal pump to deliver 7,000 g.p.m. against head of 25 ft., complete with motor base, etc., to Morris Machine Wks., Baldwinsville, N. Y., $1,210. Noted July 26.

O. Marietta—Wire Grills, etc.—Treas. Dept., Wash., D. C., wire grills, partitions, etc., in U. S. Post Office, here, to Dickison & Hockingberry, Marietta, $5,961 (60 days).

Ill., Chicago—Removal Pile Protection—U. S. Engineer, 537 South Dearborn St., removal pile protection in Harbor, here, to Great Lakes Dredge & Dock Co., 104 South Michigan Ave., $8,555. Noted July 19.

Ill., Elgin — Extension — Treas. Dept., Wash., D. C., extension of mailing vestibule in U. S. Post Office, here, to H. T. Seiger, 396 Lovel St., $3,247 (45 days).

Ill., Evanston—Extension—Treas. Dept., Wash., D. C., extension, with driveway at U. S. Post Office, here, to Garber & Cissel, Inc., Bethlehem, Pa., $13,500 (150 days). Noted Aug. 23.

Kan., Fort Scott—Mailing Shed—Treas. Dept., Wash., D. C., mailing shed for U. S. Post Office, here, to Ruff Contg. Co., 523 East Main St., $4,447 (90 days). Noted Aug. 23.

Mo., St. Louis — Remodeling — Treas. Dept., Wash., D. C., remodeling Custom House, Court House and Post Office, here, to Hellermann Contg. Co., 407 North 8th St., $6,590. Noted Aug. 23.

H. T., Pearl Harbor—Storage Facilities—Spec. 4760—Bureau Yards & Docks, Navy Dept., Wash., D. C., mine storage facilities at Naval Operating Base, here, to W. F. Martens, 112 Cutler Bldg., Rochester, N. Y., $80,406 (280 days). Noted July 26.

Miscellaneous

PROPOSED WORK

Swimming Pool—Hartford, Conn.—Common Council plans swimming pool in one of city parks. $25,000. R. N. Clark, city engr.

Fill—New York—Cities of Albany and Watervliet plan to purchase and fill in Erie Canal, and to construct 9 mi. Erie Blvd., 5,500 cu.yd. concrete, 40,000 cu.yd. earth fill, etc., $500,000. J. G. Brennan, City Hall, Albany, engr.

Stadium—Wash., D. C.—C. Griffith, 1307 Buchanan St., N. W., plans addition to concrete stadium in American League Park, seating capacity 35,000. $125,000-$150,000.

Heating Plant—High Point, N. C.—See "Buildings."

Retaining Walls, etc.—Ohio—P. R. Murray, dir. Pub. Wks., Hartman Bldg., Columbus, soon takes bids repair of concrete and stone walls, also building new retaining walls, at Buckeye Lake in Fairfield and Licking Counties. $40,000.

River Terminal—Cincinnati, O.—Cincinnati River-Rail Transfer Co., Front and Harriet Sts., plans river freight terminal, 50,000 tons capacity. $50,000-$75,000.

Parks and Playground, etc.—Columbus, Ga.—Plans election early in November to vote on $50,000 bonds for city parks and playgrounds, also $150,000 bonds for stadium.

Elevation of Tracks—Ft. Wayne, Ind.—See "Railways" under Indiana.

Transmission Line, etc.—Herndon, Kan.—Sept. 11, to vote on $30,000 bonds for electrical transmission line and electric light system. W. B. Rollins & Co., 521 Railway Exchange Bldg., Kansas City, Mo., engrs.

Electrical Distribution System—Laurence, Kan.—Bowersock Mill & Power Co., had plans prepared electrical distribution system. $200,000. A. L. Mullegren, 555 Gates Bldg., Kansas City, Mo., engr.

Power Line, etc.—Celina, Tex.—Fris-Co.-Lina Utilities Co. c/o H. E. Blumberg, 1606 North Washington Ave., Dallas, plans power line and additions to electric plant, here. $50,000. Private plans.

Power Line—Ft. Worth, Tex.—Ft. Worth Power & Light Co., 1001 Commerce St., making plans 6 mi. power line from 25th and North Main Sts. to Lake Worth. $25,000-$30,000. Engineer not announced.

Park Improvements, etc.—Taylor, Tex.—Having plans prepared park improvements, swimming pool, walks, sewers, etc. $50,000 bonds voted for project. G. V. Hyde, mayor.

Elevator — Valley View, Tex. — Whaley Mill & Elevator Co. having plans prepared elevator. To exceed $60,000. Engineer and architect not announced.

Harbor Improvements—Berkeley, Calif.—Alameda Co. plans election to vote on $50,000-$100,000 bonds for harbor improvements.

Gas Distributing System—Long Beach, Calif.—Voted $3,000,000 bonds for municipal gas distributing system.

Street Sweeper — Marysville, Calif. — City Trustees appropriated $7,500 for motorized street sweeper. J. O. Wanzer, city mgr.

Park Improvements—Palo Alto, Calif.—City plans to purchase 12 acre site and improve for park purposes. J. F. Bxybee, Jr., city engr.

Gas Mains—Montreal, Que.—Montreal Light, Heat & Power Co., Craig St. W., plans 14,200 ft. 20 in. c.i. gas main from Wellington St. to William and McGill Sts. $174,574. E. S. Stanton, supt. gas. distribution.

Subway—Montreal, Que.—See "Streets and Roads."

Drilling Wells — Arkona, Ont. — High Pressure Oil & Gas Co., Arkona, plans to drill wells for oil and gas. $35,000. W. J. Hyatt, c/o owner, engr.

Arena — Niagara Falls, Ont. — Niagara Falls Arena Ltd., Niagara Falls, soon takes bids 1 story, 85 x 185 ft. ice arena, rein.-con., brick and steel, plain foundation. $150,000. F. Barber and Associates Ltd., 45 Jarvis St., Toronto, engrs.

Wharf — Pembroke, Ont. — Dept. Pub. Wks., Parliament Bldgs., Ottawa, soon takes bids wharf here. $125,000. K. M. Cameron, acting ch. engr.

BIDS DESIRED

Enclosures—New York, N. Y.—Sept. 10, by Transit Comn., 49 Lafayette St., enclosures of 3rd addition to shops at Lenox Ave. and 148th St. yard.

Lumber and Piles—New York, N. Y.—Sept. 7, by E. W. Buckley, comr., Dept. of Purchase, Municipal Bldg., lumber and piles, to Dept. of Docks.

Fill—Newark, N. J.—Sept. 6, at office of T. L. Raymond, dir. Dept. Streets and Pub. Impvts., City Hall, placing 51,000 cu.yd. dry cinder fill and 135,000 cu.yd. cellar dirt or approved similar fill, at Port Newark Terminal.

Elimination of Grade Crossing—Youngstown, O.—Sept. 17, by city, eliminating grade crossings at Westlakes Crossing, Himrod, Wick and North Aves., Ardale, Oak, Watt, Walnut, Champion, Phelps, Hazle and Holmes Sts., also bridges at Belmont and West Aves. City's share of cost $200,000 and railroads $200,000. I. Turner, city engr.

Levee System—Illinois—Sept. 5, by Dept. Pub. Wks. and Buildings, Division Highways, Springfield, for State Farm Levee System, 122,566 cu.yd. earthwork, etc. C. H. Older, ch. highway engr.

Wall—Waterloo, Ia.—Sept. 5, by Waterloo River Front Comn., constructing 525 lin.ft. river wall, 2,000 cu.yd. concrete, etc. J. E. Dempster, secy. R. B. Slippy, city engr.

Paving Materials—St. Paul, Minn.—Sept. 4, by H. W. Austin, city purch. agt., 15,000 bbl. portland cement, asphalt sand, asphalt filler, etc., for paving various streets. G. M. Shepard, city engr.

Culvert—St. Louis, Mo.—Sept. 25, by Bd. Pub. Serv., 208 City Hall, rein.-con. culvert to carry Delmar Blvd. across River Des Peres. $131,000. Former contract withdrawn. L. R. Bowen, 301 City Hall, engr. Noted Aug. 9.

Shell Ballast, etc.—Houston, Tex.—Sept. 6, by Harris Co. Navigation Dist., shell ballast, rails, ties, switches, frogs, etc., for construction Turning Basin Classification Yard. $50,000. Howe & Wise, co. engrs.

BIDS RECEIVED

Heating and Ventilating Apparatus, etc.—New York, N. Y.—Park Bd. Municipal Bldg. heating and ventilating apparatus in Wing K, Metropolitan Art Museum, from Austin Eng. Co, 124 West 42nd St., $137,472; interior finish from Lustig & Weil, 103 Park Ave., $535,691. Noted Aug.16.

Changes to Railroad Structure — Brooklyn, N. Y.—Transit Comn., 49 Lafayette St., New York City, Aug. 23, making changes in railroad structure to provide for crossover, Route 8, Sect. 5, Bushwick Ave., here, Agreement "CP." from D. Levy, 303 Fifth Ave., $47,148. Noted Aug. 16.

Concrete Mixer, etc.—St. Paul, Minn.—City, Aug. 14, cement-concrete mixer on caterpillar motor driven loader and tank, for Water Dept., from Milwaukee Concrete Mixer Co., 955 30th St., Milwaukee, Wis., $1,300 and $5,859; T. W. Rosholt Co., 421 South 5th St., Minneapolis, $1,000.

Subway — Sacramento, Calif. — City Comrs. subway through levee at 16th and B Sts., from Tieslau Bros., 2819 Grove St., Berkeley, $102,000; Davison & Nicolsen, 324 West Lafayette St., Stockton, $102,000. Noted Dec. 21.

CONTRACTS AWARDED

Underground Fire Alarm System—St. George, N. Y.—T. J. Drennan, fire comr., Municipal Bldg., New York, portion of underground cable fire alarm system, here, to J. Sugden Co., 17 West 42nd St., New York, $13,375. Noted Aug. 23.

Pier—Phila., Pa.—Dept. Wharves, Docks & Ferries, completing Porter St. Pier 84, to Snare Corp., 1524 Chestnut St., $500,000. Noted July 19.

Culverts—Toledo, Ia.—Tama Co., to E. Wolfe, Toledo, 24 concrete box culverts, $16,355; to Mamminga Constr. Co., Morrison, 15 concrete box culverts, $8,950.

Cement—St. Paul, Minn.—H. W. Austin, city purch. agt., 5,340 bbl. cement for paving Front St. between Dale and Rice Sts., to St. Paul Builders Material Co., 605 Ryan Bldg., $2.80 per bbl. del. Noted Aug. 23.

Steel Rails—Montreal, Que.—Canadian Pacific Ry., Windsor Sta., furnishing 35,000 tons 80 lb. steel rails to Algoma Steel Corp., Saulte Ste. Marie, Ont.

Dyke—New Westminster, B. C.—South Westminster Dyking Comrs., Cloverdale, 4½ mi. earth dyke along Fraser River opposite here, to A. B. Palmer & Co., 736 Granville St., Vancouver, $35,000.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Sept. 5.

Red Bank—Oceanport Road

Freehold, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Monmouth for the reconstruction of the Red Bank-Oceanport Road No. 45, Sect. 1, with reinforced concrete pavement, and opened and read in public at the rooms of said board, Court House, Freehold, New Jersey, on Wednesday, Sept. 5, 1923, at 11:00 A.M. Daylight Saving Time.

Drawings and specifications for the proposed work, prepared by George K. Allen, Jr., County Engineer, have been filed in the office of said Engineer, at 60 Broad Street, Red Bank, New Jersey, and may be inspected by prospective bidders during business hours. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

Plans and specifications will be furnished to prospective bidders upon payment of ten dollars ($10.00), which amount will be refunded upon return of plans and specifications before the time specified for the opening of bids.

Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder and name of proposed work on the outside, addressed to the Board of Chosen Freeholders of the County of Monmouth and must be accompanied by a certified check for a sum not less than ten (10) per cent of the amount bid on the work, payable to the order of the County Treasurer and a surety company certificate stating that said surety company will provide the bidder with the required bond, and must be delivered at the place and before the hour above named.

The Board of Chosen Freeholders of the County of Monmouth reserves the right to reject any or all bids if deemed to the best interests of the County so to do.

By order of the Board of Chosen Freeholders of the County of Monmouth.

BRYANT B. NEWCOMB,
Director.

Attest:
CHARLES E. COLE, Clerk,
Freehold, N. J., August 8, 1923.

Bids: Sept. 19.

Gates and Valves

Chicago, Ill.

Sealed proposals for the construction of Lockport Lock, also Water gates and valves of Lockport and Marseilles Locks will be received at the office of the Director of the Department of Public Works and Buildings, Division of Waterways, Room 121, State House, Springfield, Illinois, until Nine o'clock Central Standard Time of the 19th day of September, 1923, and then publicly opened and read.

The contract, if let, will be awarded to the lowest responsible bidder. The work includes about 170,000 cu.yds. rock excavation, 97,000 cu.yds. of concrete and 2,100 tons of steel work.

Copies of the plans, specifications proposal blank, etc., may be obtained at the office of the Department, Room 1404, 25 East Jackson Boulevard, Chicago, Illinois upon receipt of a check for Five Dollars made payable to the Division of Waterways, which sum will not be returned.

The State reserved the right to reject any or all proposals.

OFFICIAL PROPOSALS

Bids: Sept. 5.

Bridge Repairs

Freehold, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Monmouth for the construction of a new timber floor and repairs and additions to the steel trusses of Bridge No. R-1 Keyport, (Length 670 ft., width of roadway 24 ft.) and opened and read in public at the rooms of said board, Court House, Freehold, New Jersey on Wednesday Sept. 5th, 1923 at 11:00 A.M. (Daylight Saving Time).

Drawings and specifications for the proposed work, prepared by George K. Allen, Jr., County Engineer, have been filed in the office of said Engineer at 60 Broad Street, Red Bank, New Jersey, and may be inspected by prospective bidders during business hours. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

Plans and specifications will be furnished to prospective bidders upon payment of ten dollars ($10.00), which amount will be refunded upon return of plans and specifications before the time specified for the opening of bids.

Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder and name of proposed work on the outside, addressed to the Board of Chosen Freeholders of the County of Monmouth and must be accompanied by a certified check for a sum not less than ten (10) per cent of the amount bid on the work, payable to the order of the County Treasurer and a surety company certificate stating that said surety company will provide the bidder with the required bond, and must be delivered at the place and before the hour above named.

The Board of Chosen Freeholders of the County of Monmouth reserves the right to reject any or all bids if deemed to the best interests of the County so to do.

By order of the Board of Chosen Freeholders of the County of Monmouth.

BRYANT B. NEWCOMB, Director.
CHARLES E. COLE, Clerk.
Freehold, N. J., August 20th, 1923

Bids: Sept. 17.

Incinerator

St. Petersburg, Fla.

Sealed proposals for the construction of an incinerator to incinerate garbage at the rate of 80 tons in 10 hours will be received at the office of the Director of Finance of the City of St. Petersburg, Florida until 7:30 P.M., September 17th, 1923.

Proposals will be received on designs by Incinerator Companies and upon designs prepared by the City. Separate proposals will be received for the construction of the furnaces, the reinforced charging floors with approaches and roof, and the 115 foot chimney in the City design.

Plans and specifications may be obtained upon deposit of $25.00 which will be refunded upon return of the plans in good condition within 10 days after receiving bids.

Each proposal must be accompanied by a certified check made payable to the Director of Finance for 5 per cent of the amount bid. City reserves the right to reject any or all bids.

H. T. DAVIS,
Directors of Finance.

OFFICIAL PROPOSALS

Bids: Sept. 18.

Dredging

Lake Charles, La.

Sealed bids will be received by the Police Jury of the Parish of Calcasieu, Louisiana, until noon, Tuesday, September 18th, 1923, in the Police Jury Room, Courthouse, Lake Charles, Louisiana, and then and there publicly opened, for the construction of the following Sections of a Navigation Channel 30 feet deep x 125 feet wide at the bottom, from Lake Charles to the Sabine River.

1. The construction of a Pilot Ditch from Station 1185 on Sabine River east to Station 974, a distance of 4 miles. This Ditch will be 12 feet deep and 40 feet wide on the bottom. Approximately 380,000 cubic yards of earth to be moved.
2. The construction of a channel 30 feet deep and 125 feet wide at the bottom from Station 1185 on Sabine River, east along the Intracoastal Canal to Station 974, a distance of 4 miles. Approximately 2,400,000 cubic yards of earth to be moved.
3. The construction of a Pilot Ditch from Station 954, on the Intracoastal Canal, east to Station 914, a distance of 1.34 miles. This ditch will be 12 feet deep and 40 feet wide on the bottom. Approximately 520,000 cubic yards of earth to be moved.
4. The construction of a channel 30 feet deep and 125 feet wide on the bottom from Station 974, east along the Intracoastal Canal to Station 711—4.92 miles long. Approximately 2,750,000 cubic yards of earth to be moved.
5. The construction of a Pilot Ditch from Station 330 on the Intracoastal Canal, west to Station 580, a distance of 4.72 miles. This ditch will be 12 feet deep and 40 feet wide on the bottom. Approximately 600,000 cubic yards of earth to be moved.

This work is all along the present Intracoastal Canal which is 5 feet deep and 40 feet wide on the bottom. The land is marsh. Elevation of plus 1.0 to plus 4.0. Average stage of water plus 1.5. All depths and elevations refer to Mean Low Gulf datum.

Separate bids will be required on each section.

Bids to be accompanied by certified check for 5% of amount of bid. Bond for one-half amount of each contract will be required of the successful bidders. Plans and specifications can be obtained from the office of Parish Engineer, Room 1, Court House, Lake Charles, Louisiana.

The Police Jury reserves the right to reject any or all bids.

V. R. REEVES,
President, Police Jury.
FRED SHUTTS,
Parish Engineer.

Bids: Sept. 10.

Concrete Pavement

Greenwich, Conn.

Sealed proposals will be received by the Highway Commission of Greenwich, Conn., at the office of the Superintendent of Highways, Town Hall, Greenwich, Conn., until 4:00 o'clock P.M., Daylight Saving Time, September 10, 1923, for 7,000 square yards of reinforced concrete pavement, grading and other incidental work on the River Road.

Plans and specifications may be seen at the office of the engineers, S. E. Miner & Co., Room 31, Smith Building, Greenwich, Conn.

The Greenwich Highway Commission
By P. L. MINOR,
Supt. of Highways.